HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT PELLY LAKE FORMER AIRSTRIP AND FUEL CACHE SITE, NUNAVUT

Prepared for:

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

Public Services and Procurement Canada
Northern Contaminated Sites Program
Western Region

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Project Number: 220515
March 14, 2023

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Project Number: 220515

March 14, 2023

EXECUTIVE SUMMARY

BluMetric Environmental Inc. (BluMetric®) was retained by Public Services and Procurement Canada (PSPC) Western Region to conduct a Human Health and Ecological Risk Assessment (HHERA) at Pelly Lake Former Airstrip and Fuel Cache site (the Site), located approximately 250 km northwest of Baker Lake, Nunavut (NU) within the Kivalliq region.

This work was completed in response to the terms of reference (TOR) received April 26, 2022: *Terms of Reference (TOR), 2022/2023 Consulting Services for Pelly Lake Remediation Project, Nunavut.* The work was on behalf of PSPC's client Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC).

The objective of the HHERA is to evaluate whether contaminants of concern (COCs) at the Site pose unacceptable risks to humans and/or ecological receptors. The use of this Site-specific risk-based approach ensures that rational decisions are made with respect to the evaluation of remedial options.

The Human Health Risk Assessment (HHRA) evaluated the risk to people who would be present at the Site. It is noted that people rarely visit the Site as it is far away from Baker Lake. The qualitative analysis of human health which involved a comparison of the maximum measured concentrations in soil to human health guidelines indicated that there were no exceedances of the soil guidelines and therefore no risk to people from soil pathways at the Site. There are no exceedances of drinking water guidelines within the Drinking Water Lake indicating that the water is safe to drink. There are exceedances of drinking water guidelines in the Campsite Area Pond for iron and lead. The presence of iron in the water results in an unpleasant taste but no health effects. Occasional drinking of water from Campsite Area Pond will not pose a risk to people.

The Ecological Risk Assessment (ERA) evaluated the risks to plants, wildlife, the aquatic community, and species at risk (SAR) that would forage at the Site. A qualitative evaluation was undertaken for wildlife and SAR as the maximum measured concentrations at the Site were below ecological guidelines and therefore were not considered at risk.

Petroleum hydrocarbons (PHCs) were identified in soils for evaluation of plants (vegetation) as they do not move up the food web. Lead and iron were considered to be the only COCs in the Campsite Area Pond.

The results of the ERA showed that there are no risks to vegetation due to the presence of PHCs in soil as they are spatially limited across the Site and there is little to no vegetation growing in the areas where guidelines were exceeded.

Aquatic communities including fish are not expected to be at risk in the Campsite Area Pond.

However, there is the potential for localized effects in aquatic communities present in the shallow drainage channel which enters the Campsite Area Pond.

Climate change is unlikely to result in increased risks to human or ecological receptors at the Pelly Lake Site. It is likely that contaminant levels will decrease as a result of climate change.

It is recommended that remedial activities at the Site focus on area of environmental concern (AEC 1) in the shallow drainage channel entering the Campsite Area Pond.

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LIST OF ABBREVIATIONS

AEC	Area of environmental concern
AIA	Archaeological Impact Assessment
APEC	Area of potential environmental concern
AVS	Acid volatile sulfide
BC	British Columbia
BCMOE	British Columbia Ministry of the Environment
bgs	Below ground surface
BluMetric®	BluMetric Environmental Inc.
BTEX	Benzene, toluene, ethylbenzene, and xylenes
CALA	Canadian Association for Laboratory Accreditation Inc
CCME	Canadian Council of Ministers of the Environment
CIRNAC	Crown Indigenous Relations and Northern Affairs Canada
COC	Contaminant of concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CSM	Conceptual site model
CSQG	Canadian Soil Quality Guideline
CWQG	Canadian Water Quality Guideline
CWS	Canada wide standard
DMF	Decision-making framework
ECCC	Environment and Climate Change Canada
ERA	Ecological risk assessment
ESA	Environmental site assessment
FCSAP	Federal Contaminated Sites Action Plan
GSC	Geological Survey of Canada
HHERA	Human health and ecological risk assessment
HHRA	Human health risk assessment
ISQG	Interim sediment quality guideline
LEL	Lowest effect level
LOE	Line of evidence
LOEC	Lowest observable effects concentration
masl	Meters above sea level
MATC	Maximum acceptable toxicant concentration
MCL	Maximum contaminant level
MDL	Method detection limit
MECP	Ontario Ministry of the Environment, Conservation and Parks
n/a	Not applicable
MOE	Ontario Ministry of the Environment
NCSCS	National Classification System for Contaminated Sites
NOAEC	No observable adverse effect concentration

LIST OF ABBREVIATIONS

NOEC	No observable effects concentration
NU	Nunavut
PAH	Polycyclic aromatic hydrocarbon
PEL	Probable effect level
PHC	Petroleum hydrocarbon
PSPC	Public Services and Procurement Canada
QA/QC	Quality assurance/ quality control
ROC	Receptor of concern
RBSL	Risk-based screening level
SAR	Species at risk
SARA	Species at Risk Act
SEL	Severe effect level
SEM	Simultaneously extracted metals
Site	Pelly Lake
SLC	Screening level concentration
SQG	Soil quality guideline
SQG_E	Soil quality guideline environmental health
SQG_{HH}	Soil quality guideline human health
SSD	Species sensitivity distribution
TOR	Terms of reference
TPE	Total potency equivalents
TRV	Toxicological reference value
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile organic compound
WOE	Weight of evidence
ww	Wet weight

1. INTRODUCTION

1.1 TERMS OF REFERENCE

BluMetric Environmental Inc. (BluMetric®) was retained by Public Services and Procurement Canada (PSPC) Western Region to conduct a Human Health and Ecological Risk Assessment (HHERA) at the Pelly Lake Former Airstrip and Fuel Cache site (the Site), located approximately 250 km northwest of Baker Lake, Nunavut (NU) within the Kivalliq region.

This work was completed in response to the terms of reference (TOR) received April 26, 2022: *Terms of Reference (TOR), 2022/2023 Consulting Services for Pelly Lake Remediation Project, Nunavut.* The work was on behalf of PSPC's client Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC).

The HHERA is based on work conducted at the Site in 2022 since previous studies were conducted at the Site in 2005 and are not considered to be relevant.

1.2 BACKGROUND INFORMATION

The Pelly Lake Airfield is located is located at approximately 66°04' 00" N latitude and 101° 05' 00" W longitude in the Kivalliq district, NU, approximately 6 km to the northeast of Pelly Lake (Figure 1). The Arctic Circle is about 56 km to the north and the community of Baker Lake is located approximately 250 km to the southeast. Current access to the Site is by air and snowmobile and it is infrequently visited.

The Site is located on Crown land and was operated by Spartan Air Services of Ottawa as an airstrip and base for aerial photography from 1954 to 1956. A land use permit was issued in 1993 to Bathurst Inlet Developments (1984) Ltd. to rehabilitate the two airstrips at the Site and operate a fuel cache. Various materials and buildings were left at the Site throughout the years, including several deteriorated structures, 49 1,000 gallon fuel tanks, an estimated 710 barrels of petroleum oil lubricants, aviation fuel, oil, tar and tar contaminated soil, 101 tins of aviation oil, lots of equipment and the remains of a mosquito aircraft. Several debris sites were located around three small lakes. The Site underwent a limited clean up, with the consolidation and removal of waste in 1996 (VMFA 1996). The 1,000 gallon tanks, some barrels and debris were left at the Site. (WESA 2006a). The Site is currently abandoned.

Several studies and reports (see Section 1.3) have been completed for the Site, historically in 2005 and more recently in 2022. The historical studies included a limited Phase I/II Environmental Site Assessment (ESA). In 2022, a Phase III ESA was completed as well as a species at risk (SAR) survey and Archaeological Impact Assessment (AIA).

Figure 1: Site Location and Layout



Note: From Archaeological Impact Assessment (BluMetric 2022a).

1.3 SUMMARY OF PREVIOUS STUDIES

The following section provides an overview of ESAs previously carried out for the Site and is based on reports and information provided to BluMetric for review. A summary of the reports and applicable data is presented in Table 2 at the end of this section.

1.3.1 2006 Limited Phase I Environmental Site Assessment Site

A Limited Phase I ESA (WESA 2006b) was carried out for the Site, designated as KW018 in the Northwest Territories/Nunavut contaminated site database. The objective of the Limited Phase I ESA was to provide an indication of actual and/or potential environmental impact associated with the Site as a result of historical property uses and to evaluate the need for further investigation and/or remediation of the Site. This was essentially a document review and the main concern identified was the possibility for soil, groundwater and/or surface water contamination due to the use and storage of hydrocarbon fuels at the Site. Another area of concern identified was the presence of asbestos-containing materials and PCB- or lead-based paint in the buildings left on the Site.

The Limited Phase I ESA recommended that a Site visit was necessary to better determine the environmental conditions at the Site and that a Limited Phase II be conducted. It was also recommended that soil and surface water samples be collected near fuel storage areas, as well as samples of building material.

1.3.2 2006 Limited Phase II Environmental Site Assessment

A Limited Phase II ESA (WESA 2006a) was carried out for the Site, designated as KW018 in the Northwest Territories/Nunavut contaminated site database. The objective was to investigate areas of actual and/or potential environmental impact identified in the Limited Phase I ESA and to evaluate alternatives for further investigation and/or remediation of the Site.

The Limited Phase II ESA involved reconnaissance and investigation at the Site, the collection and analysis of soil, surface water, groundwater and sediment samples, classification of the Site based on the Canadian Council of Ministers of the Environment (CCME) National Classification System for Contaminated Sites (NCSCS), and reporting. Twenty-nine (29) soil samples were collected as well as 2 surface water and 1 sediment sample in the Campsite Area Pond and two surface water samples in Drinking Water Lake. One groundwater sample was collected. Samples were analyzed for petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX; volatile organic compounds found in fuel), and metals as appropriate.

Results of the sampling program indicated that the contaminant of concern (COC) at the Site was lead in sediment and surface water at the Campsite Area Pond, which exceeded the applicable

CCME criteria. There were also many barrels, large fuel storage tanks, dilapidated structures, and a variety of debris observed to be littered across the Site.

The CCME NCSCS was used to evaluate the potential for adverse environmental or human health impacts at the Site. The Site was given a score of 60.7, which ranked it as a Class 2 Site where action was likely required.

Proposed remedial alternatives included excavation of contaminated sediments or containment of sediments, off-site transport of impacted soils, barrel content identification and consolidation, landfilling of non-hazardous debris, incineration of fuel and wood debris, and drive point piezometer installation to further assess groundwater quality.

1.3.3 2022 Archaeological Investigation

An archaeological survey was carried out at the Site in August 2022 to ensure the documentation and protection of archaeological heritage in the area (BluMetric 2022a). The survey documented regional physical and historical backgrounds, Inuit traditional Land-use, archaeological knowledge of the area and provided recommendations.

No archaeological sites were identified indicating no restrictions to remediation plans at the Site. The report also provided some insight into the current land use at Pelly Lake. Philip Putumiraqutu president of the Hunters and Trappers Organization indicated that people from Baker Lake would travel to Pelly Lake Site in the 1970's to 1990's by snowmobile in the winter. Hunters would hunt and trap for foxes, wolves, wolverines, grizzly bears, and caribou. Fishing would also occur at the Site. By the mid 1990's, fur prices had declined and gas prices were high and since it was a twelve (12) hour trip by snowmobile and several days by canoe from Baker Lake, the Site is rarely visited.

1.3.4 2022 Species at Risk Receptor Identification and Habitat Assessment

Ecofor Consulting BC Ltd. (Ecofor 2022) conducted an Ecological Risk Assessment (ERA) with respect to SAR that may occur in the study area. This was a desktop study and the report provided habitat characterization of the Site and surrounding areas as well as SAR that may be present and potential impacts of contaminants and/or Site remediation.

The general habitat characterization of the Site was based on publicly available literature, databases, maps, photos of the sites, etc., including available previous reports on the Site. Conclusions were based on drone footage and Site photographs.

The habitat at the Site was determined to be a mosaic of shrub and herbaceous vegetation broken up by sand and gravel glacial deposits. Most of the plants were assumed to be native species and were typical of species found on the tundra. There are a number of natural wetland features on

the Site. The wetlands are primarily unvegetated with shrubs and graminoids concentrating in adjacent areas with poor drainage.

Caribou, snowshoe hare, Arctic ground squirrel, lemming, Canada goose, and ptarmigan species were observed during the August 2022 Site visit. Evidence of fox, grey wolf and caribou, including observations of scat and bones, were also noted during the Site visit. Bear and muskox tracks were present in the sand.

The desktop SAR study indicated that the following SAR could potentially be present in the area of the Site:

- Transverse lady beetle
- Harris's sparrow
- Lesser yellowlegs
- Red-necked phalarope
- Short-eared owl
- Barren ground caribou
- Grizzly bear
- Polar bear
- Wolverine

Signs of caribou (bones) and bear (tracks) were found at the Site in August 2022.

1.3.5 2022 Records Review and Gap Analysis

BluMetric was retained to conduct a records review and gap analysis on the Site in 2022 to inform the development of a sampling and analysis plan to support moving the Site to risk management/remediation. The records review found that past studies conducted limited sampling programs. Soil sampling consisted mainly of surface sampling (20 to 30 cm depth). No samples were collected below a 30 cm depth, which limited the ability to assess soil quality at depth. Depth to permafrost was not investigated as part of the previous field investigation.

The 2006 sampling program did not include a comprehensive quality assurance/quality control (QAQC) program and utilized outdated guidelines.

The Gap Analysis indicated that only 1 soil sample was analysed for metals and a more comprehensive analysis for metals in soils was necessary. In addition to metals, soil samples need to be analysed for a full suite of volatile organic compounds (VOCs), pesticides, polychlorinated biphenyls (PCBs). Due to elevated metals in the soils, a background study was determined to be necessary.

Additional surface water and sediment sampling was needed in Campsite Area Pond to delineate the contamination. Additional groundwater sampling was needed at the Site.

No vegetation was sampled in the previous program and it was recommended that vegetation be sampled to evaluate uptake of contaminants into vegetation to support the risk assessment.

1.3.6 2022 Phase III Environmental Site Assessment

BluMetric (2022b) completed a Phase III ESA in 2022 to evaluate the Site at the following areas of concern (AECs; Figure 1):

- AEC 1 – Campsite Area Pond
- AEC 2 – Campsite Area (formerly area of potential concern [APEC] 1)
- AEC 3 – Site #1 (formerly APEC 2)
- AEC 4 – Site #2 (formerly APEC 3)
- AEC 5 – Drinking Water Lake (formerly APEC 4)
- AEC 6 – Landing Lakes Area (formerly APEC 5)

The Phase III ESA resulted in a total of 94 test pits were dug and 175 soil samples collected, 93 of which were analyzed. The test pit locations and analyses were selected to assess potential contaminant sources in each area to delineate impacts. Soil samples were analysed for grain size and the results indicated that soils at the Site are coarse grained. A total of 9 vegetation samples were collected from the Site.

A background soil sampling program was completed as part of the Phase III ESA to identify background metal, petroleum hydrocarbon, polycyclic aromatic hydrocarbon and BTEX concentrations. Background locations were chosen that were upgradient or at least 300 m away from any anthropogenic source. Soil samples were collected from four distinct areas: north (approximately 400 m northeast of Site #2), northwest (approximately 500 m northwest of Site #2), northeast (approximately 600 m northeast of the Campsite area), and southeast (approximately 600 m southeast of the Campsite area) of the Site. In total 12 background soil samples were collected and one duplicate sample. As part of the background sampling, vegetation was also collected from the background soil locations. A total of 10 background vegetation samples were collected. Background sediment and surface water samples were also collected at three of these distinct areas where background soil samples were collected: to the northwest from a tributary to a stream that flows southward past the west side of the Site, cross-gradient to the Site; to the northeast from a stream that flows into the small Landing Lake, cross-gradient to the site; and to the southeast from a small lake that is located to the southeast and upstream of the Campsite area. Nine background surface water and nine background sediment samples were collected.

Two groundwater samples were collected from Site #2 (AEC 4). Nine surface water samples and six sediment sample were collected from the Campsite Area Pond (AEC 1), including inlet and outlet channels, and five surface water and five sediment samples were collected from the Drinking Water Lake (AEC 5).

Figure 2 to Figure 5 shows the sampling locations in AECs 1 to 5 and Figure 6 shows the background locations.

Through the field investigation work of the Phase III ESA at the Site, environmental impacts were identified in soil, groundwater, surface water and sediment. Table 1 provides a summary of exceedances of applicable environmental guidelines at the Site.

Table 1: Summary of COCs for Areas of Environmental Concern

AEC	COC(s)
AEC 1 – Campsite Area Pond	Sediment: Copper, lead Surface Water: pH, aluminum, cadmium, copper, iron, lead
AEC 2 – Campsite Area	Soil: PHC F2 and PHC F3
AEC 3 – Site #1	Soil: PHC F3 and PHC F4, Dioxins and Furans
AEC 4 – Site #2	Soil: PHC F1 and PHC F3 Groundwater: aluminum, cadmium, copper, iron, lead, manganese and zinc

Figure 2: Sampling locations in AEC 1 and AEC 2

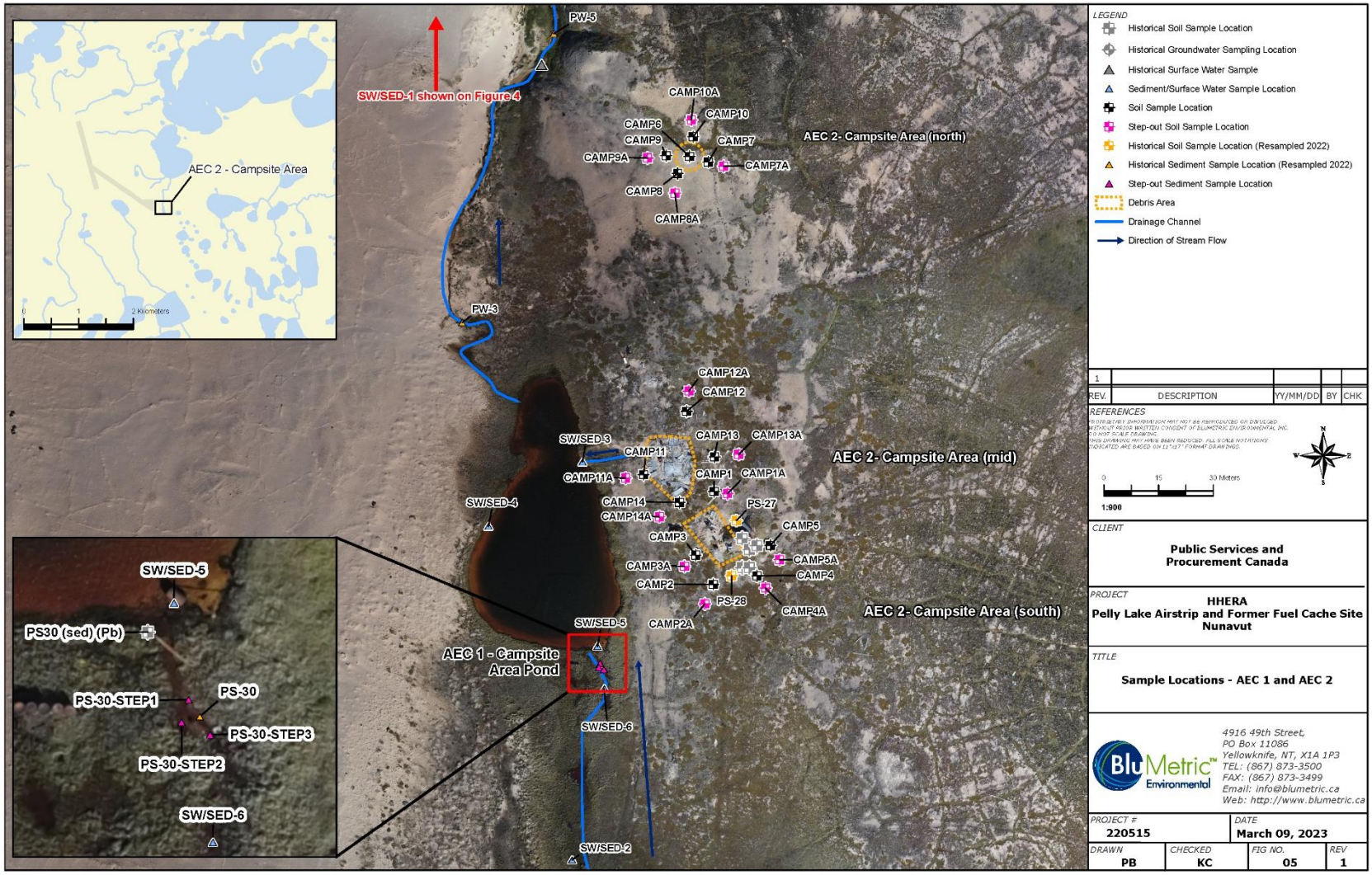


Figure 3: Sampling locations in AEC 3

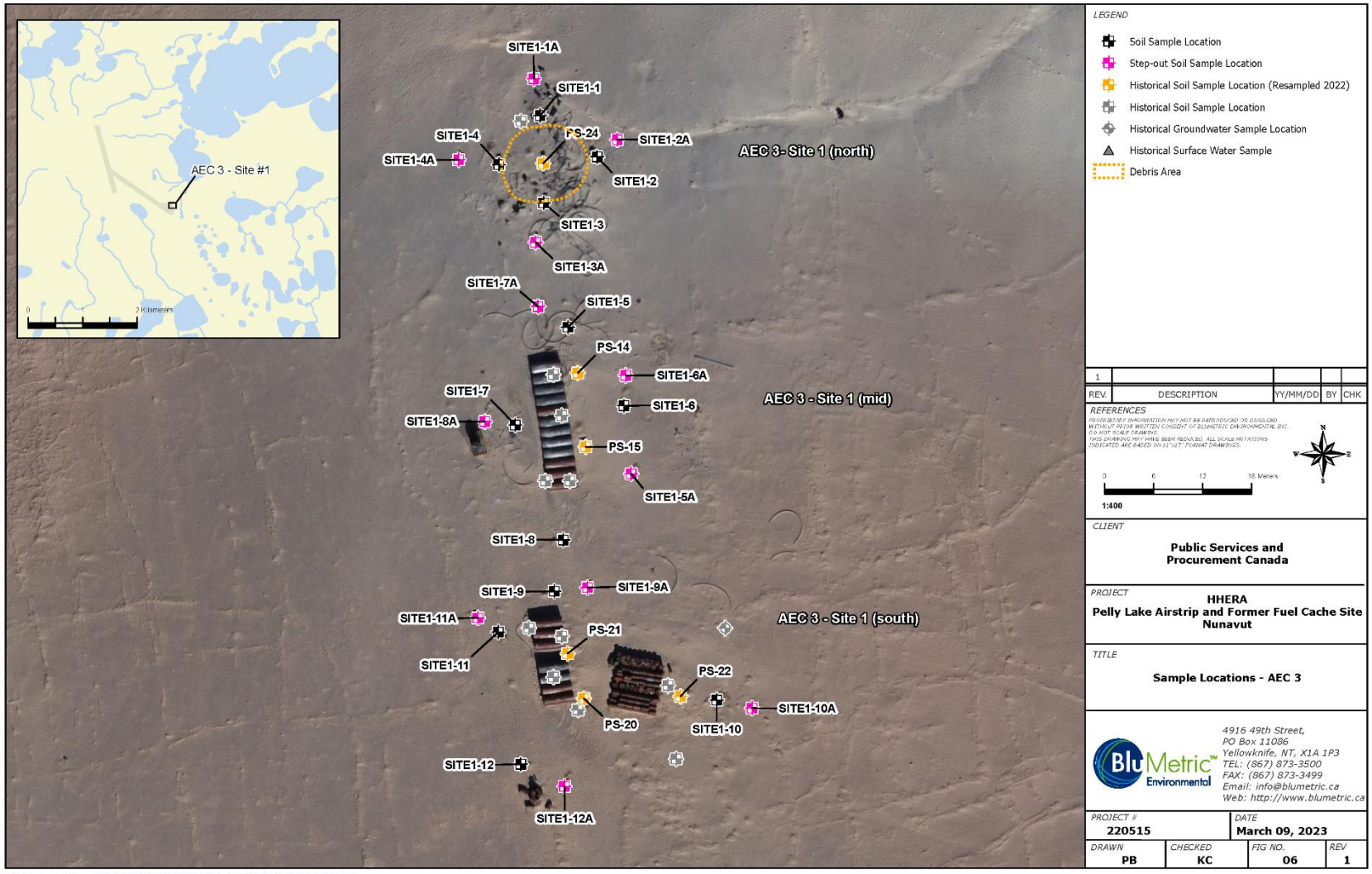


Figure 4: Sampling locations in AEC 4

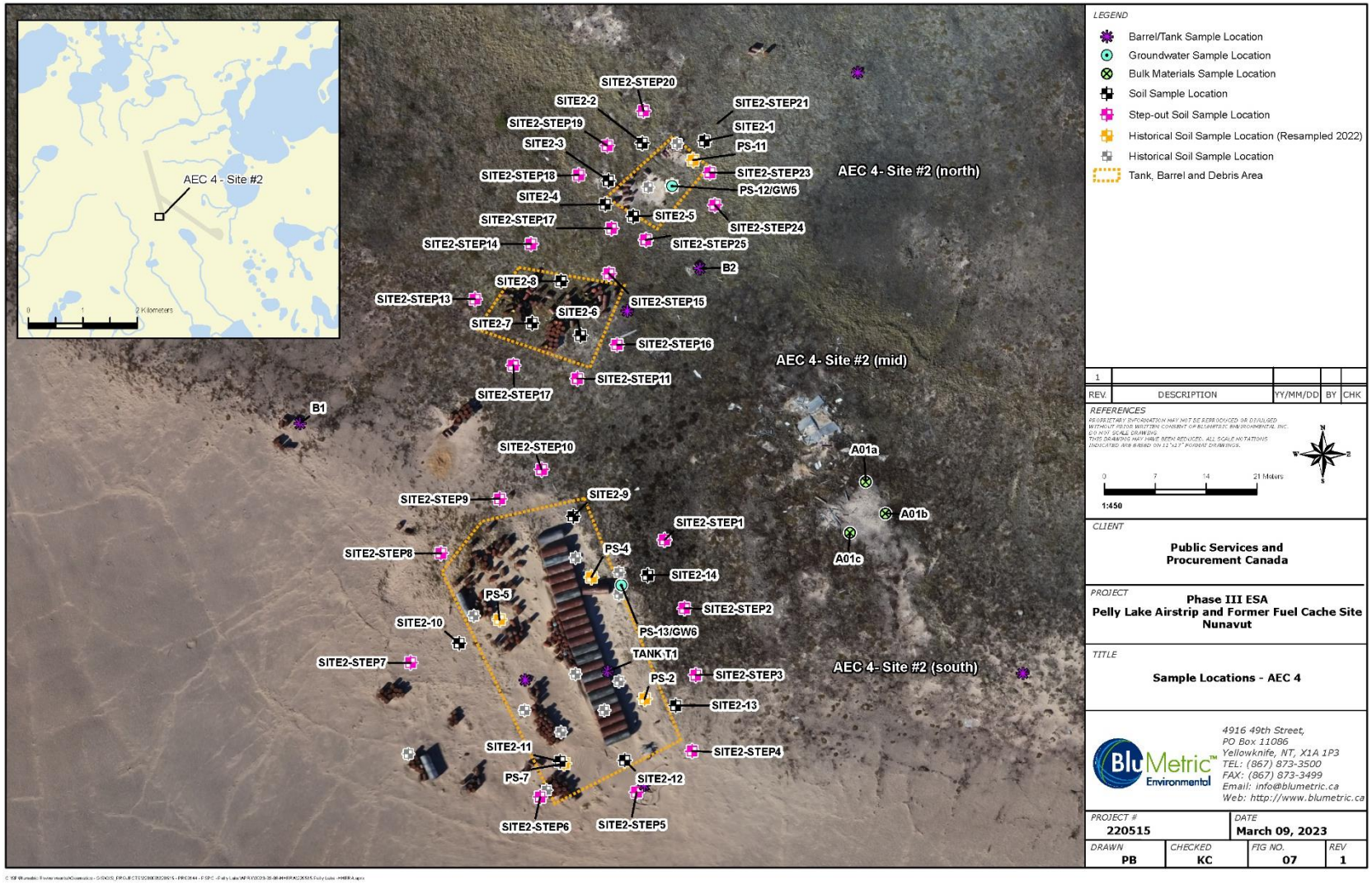


Figure 5: Sampling locations in AEC 5

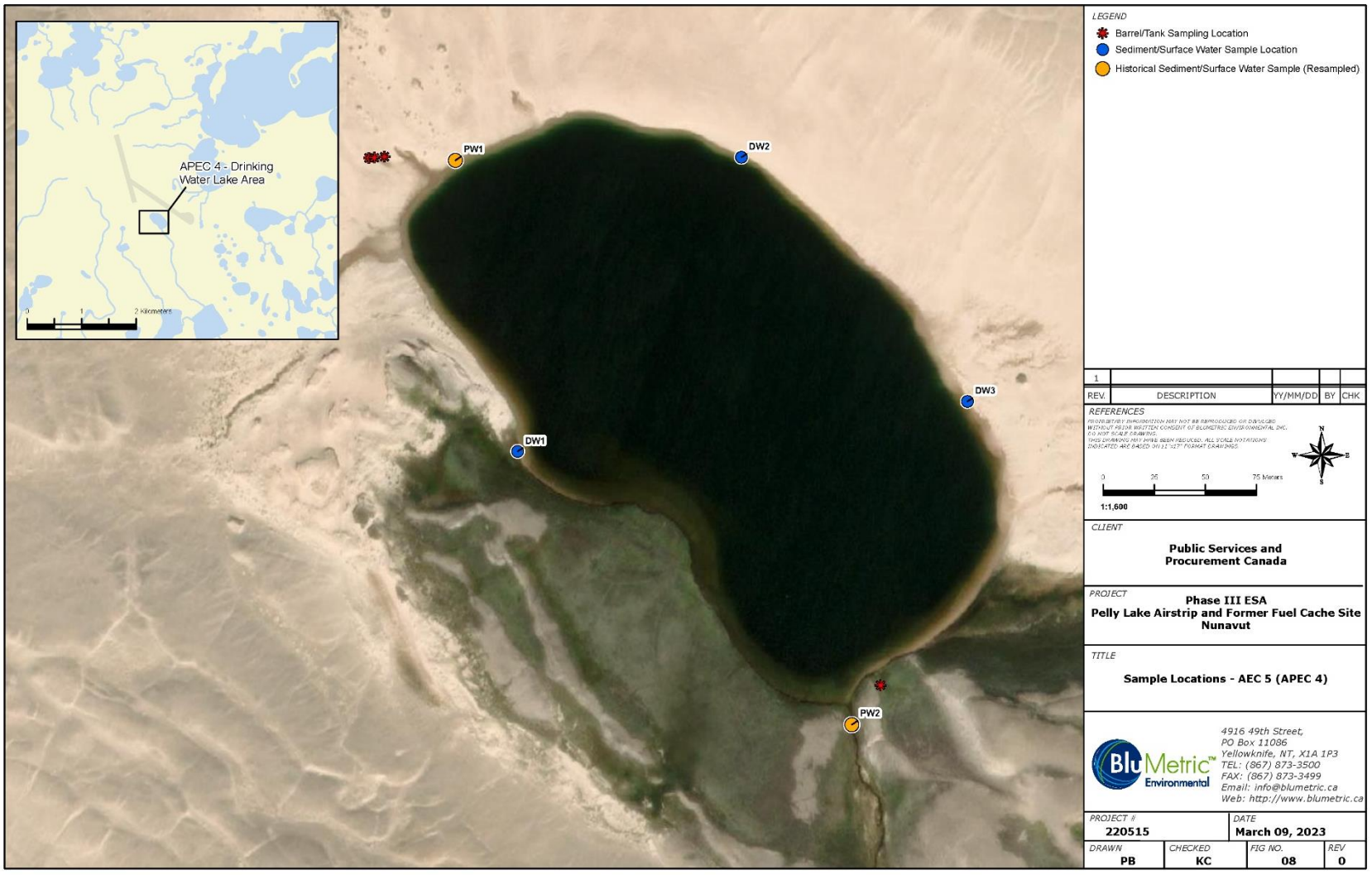


Figure 6: Background Sampling locations



Soil impacts consist primarily of PHCs, attributed to the use and storage of various fuels across the Site. The PHC exceedances in AEC 2, AEC 3 and AEC 4 are indicative of small, localized areas of residual fuel, where the majority of the spill has naturally attenuated or migrated vertically due to the highly permeable overburden in the area.

In surface water at the Campsite Area Pond (AEC 1), the pH, aluminum, cadmium, copper, iron and lead concentrations exceeded guidelines within the main body of the pond as well as the inlet and outlet streams. Within the inlet stream at surface water sample location PS30, there are high concentrations of lead which decrease as you enter the pond, suggesting that the source of lead is likely the six broken batteries found in this area. The remaining metals are likely associated with the storage of metal debris in the Campsite Area which is directly above and to the east of the Campsite Area Pond. Sediments in the inlet stream of the Campsite Area Pond also have high levels of lead as a result of the broken batteries.

The limited Phase II assessment did not indicate the batteries found around PS30 it the current Phase III ESA; however, it also indicated that this area had the highest lead concentrations in the surface water and sediment.

1.3.7 Summary of Reports Reviewed

Table 2 below provides a summary of all the reports that were reviewed as part of the development of the Problem Formulation for the HHERA.

Table 2: Summary of Previous Reports Reviewed for the Pelly Lake Site

Report Type	Report (Title, Author, Publish Year, Submitted to)	Scope/Type of Work Completed
ESA	Limited Phase I Environmental Site Assessment, Site Number KW018, Pelly Lake, Nunavut 2006 Water and Earth Science Associates Ltd. Prepared for Indian and Northern Affairs Canada, Nunavut Regional Office, Iqaluit	Phase I ESA – document review of potential contamination at the Site.
ESA	Limited Phase II Environmental Site Assessment, Site Number KW018, Pelly Lake, Nunavut 2006 Water and Earth Science Associates Ltd. Prepared for Indian and Northern Affairs Canada, Nunavut Regional Office, Iqaluit	Phase II ESA – intrusive sampling activities including soil, surface water and sediment sampling.
AIA	Archaeological Investigations at KW018 – Pelly Lake, Kivallik Region, Nunavut 2022 BluMetric Environmental Prepared for Public Services and Procurement Canada (PSPC) and Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	Archaeological investigation and historical review. Includes current site use.

Report Type	Report (Title, Author, Publish Year, Submitted to)	Scope/Type of Work Completed
SARA	Species at Risk Receptor Identification and Habitat Assessment, Pelly Lake Airfield 2022 Ecofor Natural and Cultural Resource Consultants Prepared for Public Services and Procurement Canada (PSPC) Northern Contaminated Sites Program Western Region	Desktop habitat and species at risk assessment.
Data Gaps	Summary of Records Review and Gap Analysis, Pelly Lake Former Airstrip and Fuel Cache Site, Pelly Lake, Nunavut 2022 BluMetric Environmental Prepared for Public Services and Procurement Canada (PSPC)	Desktop Records Review and data gaps analysis to determine additional sampling needed in the Phase III ESA to address the gaps.
ESA	Phase III Environmental Site Assessment, Pelly Lake Former Airstrip and Fuel Cache Site, Pelly Lake, Nunavut 2022 BluMetric Environmental Prepared for Public Services and Procurement Canada (PSPC)	Phase III ESA. Intrusive studies of soil, groundwater, surface water, sediments and vegetation in support of the risk assessment and remedial options analysis for the Site.

1.4 RISK ASSESSMENT OBJECTIVES

The objectives of the HHERA are as follows:

- to evaluate whether COCs on Site (associated with sources of contamination identified and assessed by the previous studies) pose unacceptable risks to human and/or ecological receptors;
- if warranted, develop Site-specific criteria to support remediation/risk management work that will be suitable to protect both humans and ecological receptors who use the Site (the details of any risk management measures [identified by the HHERA will be provided in the Remedial Options Analysis, under separate cover); and
- to prepare an HHERA report summarizing the methodology and results.

The development of a Site-specific risk-based approach will ensure rational decisions are made with respect to the evaluation of remedial options.

2. PROPERTY INFORMATION

2.1 SITE DESCRIPTION

2.1.1 Physical Setting and Surrounding Land Use

The Pelly Lake Former Airstrip and Fuel Cache site is located approximately 6 km northeast of Pelly Lake. Pelly Lake is located 250 km northwest of Baker Lake, NU within the Kivalliq region (Figure 1). The Site operated as an airstrip and base from 1954 to 1956, after which it was rehabilitated

and used as a fuel cache. Although cleanup has occurred at the Site, various materials and buildings were left. Current access to the Site is by air and snowmobile and it is infrequently visited.

The Site is located on an ice-contact outwash delta, essentially composed of glaciofluvial sand. Eskers, drumlins and kames are present especially in the southern and eastern limit of the Site (BluMetric 2022a). The former landing strips are located on top of the large sand deposit, north of 'Drinking Water Lake'. Drinking Water Lake is surrounded by sand and reminiscent of an oasis and may be a kettle lake as seen in Photograph 1.

Photograph 1: Aerial View of Drinking Water Lake with an Esker



The Site is currently abandoned but evidence of a campsite as well as fuel tanks, oil barrels, and other debris remain.

The general topography of the study area undulates with an overall slope to the south towards Garry Lake, approximately 6 to 15 km to the south. The Arctic Circle is about 56 km to the north. The Site is uninhabited and is located on Crown land.

2.1.2 Site Access

The Site can only be accessed by airplane during the summer months or by snowmobile in winter months. The area of Pelly Lake is uninhabited and occasionally utilized by local Indigenous groups

from Baker Lake or Gjoa Haven for subsistence hunting, although recent reports (BluMetric 2022a) indicate that this was more common in the past.

2.1.3 Climate

No weather station is present near the Site, and the closest weather station is the Environment Canada Station at Robertson Lake, Nunavut, approximately 125 km southwest of Site. The daily average temperatures varied between -31.9°C in February 2021 and 9.2°C in August 2021 (data corresponding to the period from January to December 2021 [Government of Canada 2022]). The average yearly precipitation has not been recorded. The total amount of precipitation received in 2021 was 207.7 millimetres (mm). Daily average temperatures were above 0°C during four months of the year in 2021 (June to September). Precipitation in the form of snow can occur at any time throughout the year, although it is less likely in July and August.

2.1.4 Nearest Community

The community of Baker Lake is located approximately 250 km to the southeast of the Site.

2.2 Site Plan and Hydrogeological Interpretation of RA Property

2.2.1 Geology and Soil Texture

The Site is located on a glacial outwash plain and the general surficial geology of this area is sand (WESA 2006a). West of the camp area, this consists of ice-contact sediments, which are described as mainly sand with gravel, moderately to well sorted, massive to stratified, 2 to 15 m thick. East of the camp area are outwash sediments, described as sand with gravel, moderately to well sorted and stratified, and greater than 2 m thick. The primary surficial geology observed during the Phase III ESA was sand, with gravel and cobbles observed in areas to the east of the eastern airstrip. The Limited Phase II ESA for the Site (WESA 2006a) describes the bedrock beneath the Site consisting of Archean gneiss granite, as indicated on the map titled "Geology – Northeastern District of Mackenzie, NWT" (GSC 1963). The area of the Site is generally flat and plateaus above the surrounding area of hummocky terrain and rolling hills. The Site is located within a zone of continuous permafrost (90% - 100% of this zone is underlain by permafrost) (Heginbottom 1995).

Soil and geological conditions were confirmed during the 2022 Site visit. Field staff recorded ground conditions as predominantly sand with gravel with cobbles. Trace organic material was also noted in the top 0-15 centimetres (cm) of several locations at APEC 1 (now AEC 2), APEC 2 (now AEC 3) and APEC 3 (now AEC 4). No permafrost was encountered during the environmental test pitting, completed to a maximum of 1 meter below ground surface (mbgs). The geotechnical test pitting reported permafrost between 0.9 mbgs and 1.2 mbgs but was not present at all test pit

locations. Locations where permafrost was indicated were to the southeast, west and northwest of APEC 2 (Site #1; now AEC 3), outside of the main runway area but on the sandy plateau.

2.2.2 Topography

The Site is located at an elevation of approximately 200 metres above sea level (masl), falling to an elevation of approximately 180 masl within 1 km to the southwest of the Site and within 2 km to the northeast of the Site.

The general topography of the Site undulates with an overall slope to the south towards Garry Lake, approximately 6 – 15 km to the south. The area immediately surrounding the airstrips is relatively flat (WESA 2006b). A small unnamed lake is present on the downslope southern portion of the Site and several unnamed lakes are present to the east of the Site.

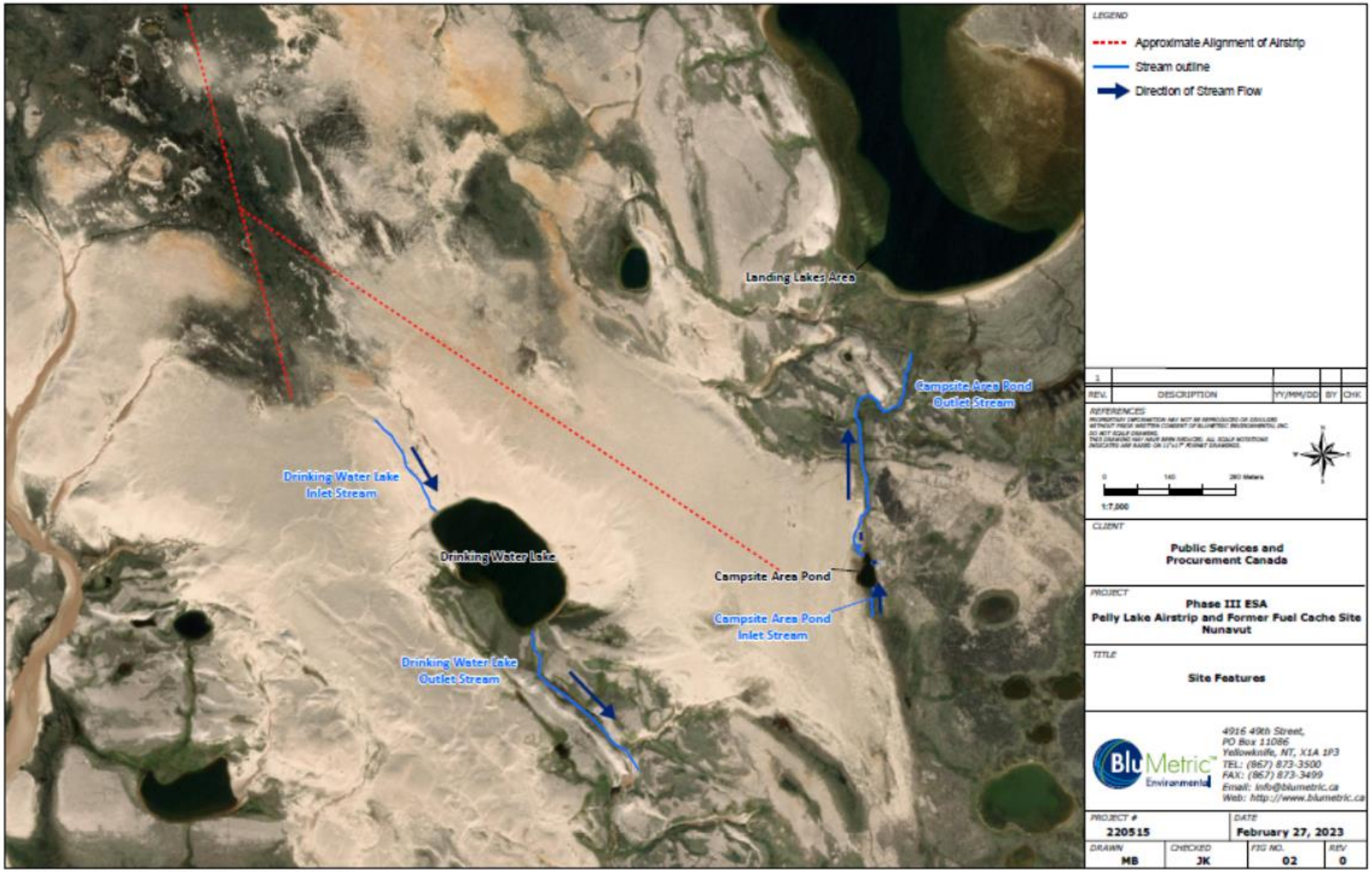
2.2.3 Hydrogeology and Surface Water Hydrology

Pelly Lake is a large lake that is located approximately 6 km southwest of the Site. There are also many lakes located in the area, some of which are interconnected. The Campsite Area (AEC 2) is located approximately 10 m from an inland pond (Campsite Area Pond; AEC 1) that drains northward to the smaller of the lakes in the Landing Lakes Area (AEC 6) approximately 570 m to the north of the Site. Runoff from the Campsite Area is anticipated to flow into the pond, as indicated by drainage channels observed on the eastern slope of the pond.

Drinking Water Lake (AEC 5) is located approximately 650 m west of the Campsite Area Pond. An inlet stream flows into the lake from the north end and an outlet stream flows southeastward from the southeast end of the lake. The area identified as Site #2 (AEC 3) is located approximately 450 m to the northwest of Drinking Water Lake. Runoff from Site #2 is anticipated to flow into Drinking Water Lake, as indicated by drainage channels observed in the area. Figure 7shows the direction of stream flow at the Site.

Groundwater was not observed in any of the test pits excavated during the BluMetric field investigation but was present in the two piezometers installed at AEC 4 (Site #2). Regional groundwater flow is expected to be influenced by permafrost which generally follows regional topography. Therefore, regional groundwater flow is inferred to follow regional topography and surface water flow as described above.

Figure 7: Direction of Stream Flow at the Site



Permafrost in the area is classified as continuous with low (<10%) ground ice content in the upper 10-20m of the ground (GSC 1995, as referenced in BluMetric 2022b). Neither permafrost nor bedrock was encountered in any of the environmental test pits dug at the Site, however permafrost was encountered at approximately 0.9 m to 1.2 m depth in several of the geotechnical test pits. The permeability of the sandy soils present at the Site is expected to be relatively high. Evidence of a confining layer above the permafrost was not observed, therefore surface water is anticipated to infiltrate through the upper layers to reach the permafrost that defines the active layer (the layer that thaws in warmer months and freezes in colder months). Infiltrated surface water and groundwater is expected to readily flow through the active layer of these soils.

2.2.4 Flora and Fauna

Vegetation in the Southern Arctic Ecozone ranges from stunted trees in the south to treeless regions comprised of ground-hugging shrubs, lichens, and mosses toward the ecozone's northern limits. The Garry Lake Lowland Ecoregion, the part of the Southern Arctic Ecozone within which the Site occurs, is covered with many lakes and ponds that were formed in the last glaciation, over a continuous layer of permafrost. The limited precipitation in the area, paired with harsh winter conditions results in stunted tree growth, where soil substrates allow (Campbell et al. 2012).

The Site is a mosaic of shrub and herbaceous vegetation broken up by sand and gravel glacial deposits. Most plants are assumed to be native species. There are multiple natural wetland features on the Site, and no anthropogenic wetland features. The wetlands are primarily unvegetated, with shrubs and graminoids concentrated in adjacent areas with poor drainage.

Most of the terrestrial habitat types at the Site are tundra. Black crowberry (*Empetrum nigrum*) is apparently the dominant vegetation at the Site. Other species such as dwarf birch (*Betula pumila var. glandulifera*), Labrador tea (*Rhododendron (Ledum) palustre*), cloudberry (*Rubus chamaemorus*), willow (*Salix* species), Arctic cranberry (*Vaccinium vitis-idaea*), wedges (*Carex* species), lichens, mosses and grasses were found at the Site.

Typical artic tundra wildlife species are likely to use the Site. Caribou, snowshoe hare, Arctic ground squirrel, lemming, Canada goose, and ptarmigan species were observed during the August 2022 Site visit (EcoFor 2022). Evidence of fox, grey wolf and caribou, including observations of scat and bones, were also noted at the Site. Bear and muskox tracks were present in the sand. Small mammals (e.g., mice, voles, lemmings) and their predators (weasels, foxes, coyotes; with raptors hunting from above) likely live throughout the study area. Caribou, moose, grizzly bear, Canada lynx and other mammals likely use the study area year-round (Ecofor 2022).

Many migratory bird species are likely present throughout the study area. The study area is in migratory birds Zone N9, with the nesting period of migratory birds being May 15 to August 17 (ECCC 2018).

2.2.5 Species at Risk

There are 28 non-marine animal and plant species at risk (SAR) known to be present in Nunavut (Ecofor 2022). There are nine species at risk potentially present within the study area, comprised of one insect, four birds, and four mammals. Further details are provided in Section 4.2.2.1 and Appendix A.

2.3 SELECTION OF ENVIRONMENTAL GUIDELINES

The Site is located on Crown Land and falls under federal jurisdiction. Therefore, the CCME Canadian environmental quality guidelines apply.

2.3.1 Soil

Guideline levels for concentrations of COCs in soil are based on specific land uses: agricultural, residential, commercial, and industrial. CCME agricultural land use guidelines provide the most stringent criteria of the four land uses. Agricultural land use is defined as land where the primary land use is growing crops or tending livestock; however, this also includes agricultural lands that provide habitat for resident and transitory wildlife and native flora. Agricultural soil guidelines have been selected for use in the assessment of the Site as they have been deemed to allow for unlimited use at the Site. The assumption is the individuals can have a farm at the Site and grow crops and have livestock year-round.

The primary sources for guidelines for the initial screening of soil quality data for on-site COCs are the *Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health* (CCME 1999a and all subsequent updates) and the *Canada-Wide Standards for Petroleum Hydrocarbons* (CCME 2008). The Canadian Soil Quality Guideline (CSQG) values apply regardless of sampled depth.

2.3.2 Sediment

No sediment guidelines exist that are protective of human health. The main concern related to sediment quality is exposure to COCs of benthic organisms which serve as food sources for a number of species. Thus, the sediment guidelines are developed to be protective of benthic communities. The *Canadian Sediment Quality Guidelines for the Protection of Aquatic Life* (CCME 1999b and all subsequent updates) was used as sources for screening the sediment quality data for

the protection of aquatic life. Specifically, the interim sediment quality guidelines (ISQGs) are used in this screening.

In the absence of Canadian Sediment Quality Guidelines for some contaminants, guidelines/benchmarks from other provincial guidelines were used such as British Columbia and Ontario.

2.3.3 Surface Water

Different surface water guidelines exist that are protective of both human health and the environment.

For the protection of human health, the following document was used for screening the surface water quality data:

- Health Canada Drinking Water Guidelines (Health Canada 2020).

For the protection of the environment, the following document was used for screening the surface water quality data:

- *Canadian Water Quality Guidelines for the Protection of Aquatic Life* (CCME 1999c and all subsequent updates). Specifically, the Canadian Water Quality Guidelines (CWQGs) values used are those for long-term protection of freshwater organisms.

2.3.4 Vegetation

There are no guidelines available for contaminant concentrations in plants.

2.4 Identification of Relevant Potential Contaminants of Concern

The primary contaminant groups of concern associated with historical use of the Site are petroleum hydrocarbons (PHCs) associated with the fuel caches associated with the aviation activities and metals associated with the debris present at the Site. Previous assessment of the Site identified lead concentrations in the sediment in a localized area of the Campsite Area Pond (AEC 1) which exceeded CCME criteria. Below summarizes the COCs identified for the Site.

2.4.1 Data Relied Upon for Risk Assessment

The data from the Phase III ESA (BluMetric 2022b) were considered in this HHERA to represent the current conditions at the Site. The Phase III ESA included the collection of soil, groundwater, surface water, sediment, and vegetation at the Site that was considered in the HHERA.

2.4.2 Summary of Soil Quality

A total of 94 hand-dug test pits were completed on the Site and 175 samples were collected. Of these soil samples, 93 were sent for analysis. Test pit locations and analyses were selected to assess potential contaminant sources in each AEC/APEC and delineate impacts. Additional step-out sample locations were positioned approximately 4 to 5 m away from the AEC/APEC to attempt to delineate potential impacts. At most locations, a surficial soil sample (0 to 0.3 mbgs) and a shallow sample (0.3 mbgs to 0.6 mbgs) were collected, and at some locations a deep sample (0.6 mbgs to 0.9 mbgs) was also collected. Soil samples were collected from the side wall of each test pit. Grain size analysis indicated that the soil was coarse grained.

As discussed in Section 1.3.6, a background soil sampling program was also carried out where soil samples were collected from locations that were upgradient or at least 300m away from any anthropogenic source. A total of 12 background soil samples were collected from 12 hand-dug test pits.

The main chemicals investigated included metals, PHCs, polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs). Ancillary parameters investigated included pH and grain size. These parameters assist in the selection of appropriate guidelines and interpretation of chemical fate. Other chemicals investigated at select locations included polychlorinated biphenyls (PCB), pesticides, tetraethyl lead and dioxins and furans.

Background soil samples exceeded the applicable guidelines for pH in the eight samples that were analyzed. The pH of the samples ranged from 3.9 to 4.7. All other soil samples analyzed for pH had similar values and thus it was concluded that the soils at the Site were naturally acidic.

There were exceedances of PHC fractions F1 to F4 in small, localized areas within AEC2, AEC3 and AEC4. In addition, dioxins and furans exceeded guidelines at one localized area in AEC3. The guideline for dioxins and furans is derived from a generic Canadian background soil value and not on the protection of human or ecological health.

2.4.3 Summary of Groundwater Quality

Two groundwater samples were collected from Site #2 (AEC 4). There were exceedances of aluminum, cadmium, copper, iron, lead, manganese and zinc in the groundwater. Due to the rocky soil conditions, drive point piezometers could not be installed a the other four locations in AEC 2 and AEC 3.

2.4.4 Summary of Surface Water and Sediment Quality

Nine surface water samples and six sediment sample were collected from the Campsite Area Pond (AEC 1) including from inlet and outlet channels, and five surface water and five sediment samples were collected from the Drinking Water Lake (AEC 5). These samples were collected to assess the potential for migration of contaminants from the Site to the waterbodies on Site.Nine background surface water and nine background sediment samples were also collected from background locations as discussed in Section 1.3.6.

The chemical parameters investigated included metals, PHCs and PAHs. Ancillary parameters investigated included pH, total organic carbon, fraction organic carbon and grain size. These parameters assist in the selection of appropriate guidelines and interpretation of chemical fate. Tetraethyl lead was also investigated at select locations in surface water and sediment.

There were no exceedances of guidelines in Drinking Water Lake (AEC 5) and at background locations.

There were surface water exceedances of aluminum, cadmium, copper, iron and lead in the Campsite Area Pond (AEC 1) and exceedances of copper and lead in the sediment especially in the inlet of the Campsite Area Pond. There were no exceedances of PHCs in surface water Campsite Area Pond. In on sample (SED 6) in this area, the method detection limits (MDLs) of acenaphthene, acenaphthylene and dibenz(a, h)antharacene were elevated over guidelines. This is due to the high moisture content in the sample (SED 6) which caused interference within the sample. Additionally, PHC F3 and PHC F4 had measured concentrations in this area. There are no sediment guidelines for PHCs and this is a very localized area indicating that there are unlikely to be risks related to sediment concentrations at this location (SED 6).

2.4.5 Summary of Vegetation Sampling

To assess potential off-site migration of contaminants to/from vegetation and potential impacts of contaminants on vegetation conditions, vegetation samples were collected across the Site. A total of nine vegetation samples were collected from the Site and ten were collected from background areas.

Vegetation samples were paired with soil samples in order to investigate the surface soil conditions associated with the vegetation. The selection of vegetation species sampled was based on availability, an effort was made to target vegetation species used for human consumption (if applicable) and vegetation species for general herbivore/omnivore consumption. The vegetation at the Site was mostly grasses, sedges, and other low-lying vegetation. Vegetation in the targeted AECs/APECs also contained species more likely to be picked by humans including bilberries (blueberries – *Vaccinium uliginosum*) and crowberries (blackberries – *Empetrum nigrum*). A total

of ten vegetation samples were collected from the background soil sampling locations (including two BFD) and 11 samples (including two duplicates) were collected from the Site.

2.4.6 Summary of Benthic Sampling

No benthic sampling was completed at the Site due to poor weather conditions.

2.4.7 Quality Assurance/Quality Control

For the investigation in 2022, the quality assurance/quality control (QA/QC) plan included the use of blanks, duplicate and blind field duplicates, and proper sampling containment, preservation, handling, and transportation (BluMetric 2022b). A laboratory accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) was used for all sample analyses. Use of detection limits appropriate for the applicable criteria and proper documentation of sampling and analysis methodologies were ensured during the Site Investigation. A sufficient number of photographs to document detailed conditions and sampling location accuracy were taken, along with a detailed Site survey. For some direct measurements, QA/QC procedures included calibration of measuring devices and measurement of ambient or background conditions. This ensured that all collected data and the decisions made on the basis of these data are technically sound, statistically valid, and properly documented.

The RDL for naphthalene at CAMP5-SS1 was above the applicable guideline: the certificate of analysis indicates the RDL for this analysis was adjusted due to sample matrix effects (e.g., chemical interference, colour, turbidity). The RDL values for acenapthene, acenapthylene, and dibenz[a,h]anthracene were also above the guideline at SED6 (within the inlet stream to the south of the campsite area pond, further upstream from PS30) due to high moisture content in the sample.

The QA/QC details are provided under separate cover (BluMetric 2022b).

3. HUMAN HEALTH RISK ASSESSMENT

3.1 SCOPE, REGULATORY CONTEXT, EXISTING SITE INFORMATION

The purpose of the human health risk assessment (HHRA) is to develop a Site-specific risk-based approach to ensure that rational decisions are made with respect to evaluating remedial options.

The goals for the HHRA are as follows:

1. To assess the potential risks to human receptors posed by the presence of contamination at the Site.
2. To support recommendations for remediation or risk management to mitigate or reduce risks to acceptable levels (if unacceptable risks were identified).
3. If warranted, establish Site-specific criteria that will adequately protect human receptors at the Site.

The HHRA is carried out for evaluation of risks for a current land use scenario which will evaluate risks associated with the current land use and the current configuration of the Site.

3.2 PROBLEM FORMULATION

In this section, COCs specific to human receptors are screened, and the receptors and exposure pathways considered further in the HHRA are identified.

3.2.1 Identification of Contaminants of Concern for Human Health

A tiered process was carried out to identify human health COCs in soil and surface water. The identification of COCs for human health used measured soil and surface water concentrations from the data sets described in Section 2.4. Contaminants with the majority of values (i.e., 90% or more) below the MDL were not considered further as they were considered highly censored meaning that they are not considered to be present at the Site. The remaining contaminants were carried forward through the screening processes described in the following sections.

3.2.1.1 Soil

Soil COCs were screened against guidelines developed for the protection of human health, specifically CCME soil quality guidelines for human health (SQG_{HH}). If a CCME SQG_{HH} health was not available, then a guideline from another jurisdiction, specific for the protection of human health, was used. The screening process considered all soil depths as a conservative approach.
The human health component values for soil related exposure pathways applicable to the Site are as follows:

- Human Health Soil Quality Guidelines (SQG_{HH}) (agricultural land use and coarse soil) – component values for protection of human receptors (CCME 1999a):
  - Direct soil contact – soil ingestion, dermal contact and inhalation of soil particulates; the lowest human health guideline based on soil contact, dermal contact or inhalation was used for screening purposes.
- CCME Canada wide standards (CWS) for PHCs in Soil (agricultural land use and coarse soil) – Tier 1 human health component values (CCME 2008):
  - Direct soil contact – soil ingestion and dermal contact.
- Alberta Table A2 Surface Soil Remediation guidelines for agricultural, coarse-grained soil (Alberta Environment and Parks 2019):
  - Direct soil contact – soil ingestion and dermal contact.

If CCME or Alberta values were not available, guidelines were selected from other jurisdictions as follows in order of preference:

- Ontario Ministry of the Environment, Conservation and Parks (MECP; formerly Ontario Ministry of the Environment [MOE]) Table 3 Site Condition Standards: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition. (residential/parkland land use and coarse soil) – human health component values (MOE 2011):
  - Soil Contact (S1) – representing a high-frequency, high-intensity human health exposure scenario to soil for an agricultural land use where toddlers and pregnant women are present.
- British Columbia Ministry of the Environment (BCMOE) human health guidelines were used for soil from British Columbia Regulation 375/96 (Schedule 3, drinking water and soil guidelines) (Government of British Columbia 1996)
- United States Environmental Protection Agency (U.S. EPA) human health guidelines were used for soil as follows:
  - Risk-based screening levels (RSLs) for residential soil and tap water, adjusted to cancer risk of 10^{-5} or hazard quotient of 0.2, for human health (U.S. EPA 2022)

A summary of the COC screening in soil for human health is provided below in Table 3 (metals), Table 4 (PAHs), and Table 5 (PHCs), along with indications of their status as an identified COC. Alternate guideline sources used in the absence of CCME guidelines are identified in the footnotes of the screening tables. Data for all samples individually were presented in the Phase III ESA and are reproduced and presented in Appendix B.

Contaminants were screened in soil following a tiered approach. As previously described, contaminants with the majority of values (i.e., 90% or more) below the MDL were not considered further as they were considered highly censored meaning that the contaminant is not considered

to be present at the Site. None of the MDLs exceeded the screening criteria and the COCs in this category were all measured below the MDL. In the next tier of screening the maximum value was compared to the human health guidelines. Contaminants with a maximum value exceeding the human health guidelines were carried forward into the next tier of screening where they were individually examined for their candidacy as a COC and are discussed in below. Horizontal and vertical delineation was not achieved at some locations. From a risk assessment point of view, deep soil samples do not represent a pathway of exposure and therefore not achieving vertical delineation does not impact on the risk assessment. Partial delineation was achieved for the PHC fractions F2, F3 and F4 at a couple of locations in AEC 2 and AEC 3. The maximum concentrations are used for these fractions and identify that these COC need to be considered further and thus full delineation would not change the outcome of the risk assessment and would likely result in lower concentrations. Dioxin and Furans were partially delineated horizontally. The concentrations measured were well below a human health concern and no additional delineation is necessary.

Contaminants with MDLs reported above guideline concentrations were also individually examined for their candidacy as COCs.

All carcinogenic PAHs were evaluated based on calculation of B[a]P total potency equivalents (TPE) (CCME 2010). The CCME has not developed human health guidelines for the non-carcinogenic PAHs therefore the maximum concentration in soil samples for each non-carcinogenic PAH compound was compared to the soil component values available from Alberta, British Columbia or Ontario.

Guidelines for the protection of human health were not available for calcium, magnesium, potassium, or sodium. These elements generally considered innocuous to human health, are dietary elements and have Dietary Reference Intake values assigned to them by Health Canada. Therefore calcium, magnesium, potassium, and sodium were not carried forward as COCs. It is assumed that a complete lack of guidelines is reflective of a chemical being generally innocuous or uncommon, or that there is an absence of toxicological information in the medium.

As seen from the table, all maximum concentrations were measured below human health guidelines indicating that the contamination present at the Site is not a risk for human health and no further analysis is necessary.

Table 3: Human Health Screening for COCs in Soil – Metals

Contaminant	Units	CCME CSQG – Human Health [1]	Average Concentration		Maximum Concentration	N	N > CCME CSQG – Human Health	COC for Human Health?	Rationale
			Back-ground	Site					
Aluminum	mg/kg	15400 [2]	848	1370	2710	96	0	No	Maximum < Human health guideline
Antimony	mg/kg	7.5 [3]	<0.1	0.23	0.23	96	0	No	Maximum < Human health guideline
Arsenic	mg/kg	12	0.46	0.54	1.5	96	0	No	Maximum < Human health guideline
Barium	mg/kg	6800	4.0	6.0	21	96	0	No	Maximum < Human health guideline
Beryllium	mg/kg	75	<0.1	0.15	0.24	96	0	No	Maximum < Human health guideline
Bismuth	mg/kg	--	<0.2	<0.2	<0.28	96	0	No	All measurements below MDL
Boron	mg/kg	4300 [3]	<5	<5	<7.1	96	0	No	All measurements below MDL
Boron, hot water soluble	mg/kg	2500 [4]	<0.1	0.13	0.14	96	0	No	Maximum < Human health guideline
Cadmium	mg/kg	14	<0.02	0.05	0.099	96	0	No	Maximum < Human health guideline
Calcium	mg/kg	--	182	349	1260	96	0	No	Component of the earth's crust
Chromium	mg/kg	220	1.1	2.2	6.2	96	0	No	Maximum < Human health guideline
Chromium (hexavalent)	mg/kg	0.6 [2]	<0.1	<0.1	<0.1	96	0	No	All measurements below MDL
Cobalt	mg/kg	22 [3]	0.51	0.86	2.9	96	0	No	Maximum < Human health guideline
Copper	mg/kg	1100	0.63	1.3	7.3	96	0	No	Maximum < Human health guideline
Iron	mg/kg	11000 [2]	2000	2981	6150	96	0	No	Maximum < Human health guideline
Lead	mg/kg	140	0.86	2.7	62	96	0	No	Maximum < Human health guideline
Lithium	mg/kg	30[5]	2.6	3.2	5.4	96	0	No	Maximum < Human health guideline
Magnesium	mg/kg	--	416	693	1820	96	0	No	Component of the earth's crust
Manganese	mg/kg	360 [2]	19	33	99	96	0	No	Maximum < Human health guideline
Mercury	mg/kg	6.6	<0.005	0.01	0.02	96	0	No	Maximum < Human health guideline
Molybdenum	mg/kg	110 [3]	<0.1	0.14	0.21	96	0	No	Maximum < Human health guideline
Nickel	mg/kg	200	0.86	1.2	3.6	96	0	No	Maximum < Human health guideline
Phosphorus	mg/kg	2800000 [2]	87	109	236	96	0	No	Maximum < Human health guideline
Potassium	mg/kg	--	170	205	580	96	0	No	Component of the earth's crust
Selenium	mg/kg	80	<0.2	<0.2	<0.28	96	0	No	All measurements below MDL
Silver	mg/kg	77 [3]	<0.1	<0.1	<0.14	96	0	No	All measurements below MDL
Sodium	mg/kg	--	<50	56	<71	96	0	No	All measurements below MDL
Strontium	mg/kg	9400 [2]	5.3	6.2	9.6	96	0	No	Maximum < Human health guideline
Sulphur	mg/kg	280000 [2]	<1000	<1000	<1400	96	0	No	All measurements below MDL
Thallium	mg/kg	1	<0.05	<0.05	<0.071	96	0	No	All measurements below MDL
Tin	mg/kg	9400 [2]	<2	<2	<2.8	96	0	No	All measurements below MDL
Titanium	mg/kg	28000 [2]	62	101	228	96	0	No	Maximum < Human health guideline

Contaminant	Units	CCME CSQG – Human Health [1]	Average Concentration		Maximum Concentration	N	N > CCME CSQG – Human Health	COC for Human Health?	Rationale
			Back-ground	Site					
Tungsten	mg/kg	15 [5]	<0.5	<0.5	<0.71	96	0	No	All measurements below MDL
Uranium	mg/kg	23	0.14	0.28	2.1	96	0	No	Maximum < Human health guideline
Vanadium	mg/kg	39 [3]	2.8	5.1	19	96	0	No	Maximum < Human health guideline
Zinc	mg/kg	10000	3.8	5.6	12	96	0	No	Maximum < Human health guideline
Zirconium	mg/kg	9.3 [2]	<1	1.3	1.9	96	0	No	Maximum < Human health guideline

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME soil quality guidelines, human health (SQG_{HH}), agricultural land use, coarse-grained soil;
2 – U.S. EPA 2022, Risk-Based Screening Levels (RBSL), residential. Based on hazard index of 0.1, multiplied by 2 for consistency with Health Canada guidance (hazard quotient = 0.2). For zirconium used a hazard quotient od 0.1 for a short-term exposure scenario as people do not live at the Site year-round;
3 – MOE 2011, Table 3 soil components (non-potable) for coarse-textured soil. Human health component is S1 Contact;
4 – AEP 2019, Table A2 Surface Soil Remediation guidelines for agricultural, coarse-grained soil;
5 – BCMOE Generic Numerical Soil Standards to Protect Human Health, residential low density (Government of British Columbia 1996/2018);
-- - No value available.

Table 4: Human Health Screening for COCs in Soil – PAHs

Contaminant	Units	CCME CSQG – Human Health [1]	Maximum Concentration	N	N > CCME CSQG – Human Health	COC for Human Health?	Rationale
1+2-Methylnaphthalene	mg/kg	--	<0.082	109	0	No	All measurements below MDL
1-Methylnaphthalene	mg/kg	72 [2]	<0.05	109	0	No	All measurements below MDL
2-Methylnaphthalene	mg/kg	72 [2]	<0.065	109	0	No	All measurements below MDL
Acenaphthene	mg/kg	3900 [3]	<0.04	109	0	No	All measurements below MDL
Acenaphthylene	mg/kg	7.8[2]	<0.065	109	0	No	All measurements below MDL
Acridine	mg/kg	--	<0.28	109	0	No	All measurements below MDL
Anthracene	mg/kg	24000[3]	<0.016	109	0	No	All measurements below MDL
B[a]P TPE Total Potency Equivalents	mg/kg	5.3	<0.02	109	0	No	All measurements below MDL
Benz[a]anthracene	mg/kg	BaP TPE	<0.026	109	0	No	N/A; evaluated as BaP TPE
Benzo[a]pyrene	mg/kg	BaP TPE	0.0127	109	0	No	N/A; evaluated as BaP TPE
Benzo[b,j,k]fluoranthene	mg/kg	BaP TPE	<0.015	1	0	No	N/A; evaluated as BaP TPE
Benzo[b,j]fluoranthene	mg/kg	BaP TPE	0.016	109	0	No	N/A; evaluated as BaP TPE
Benzo[e]pyrene	mg/kg	BaP TPE	0.026	108	0	No	N/A; evaluated as BaP TPE
Benzo[g,h,i]perylene	mg/kg	BaP TPE	<0.01	109	0	No	N/A; evaluated as BaP TPE
Benzo[k]fluoranthene	mg/kg	BaP TPE	<0.01	109	0	No	N/A; evaluated as BaP TPE
Chrysene	mg/kg	BaP TPE	0.116	109	0	No	N/A; evaluated as BaP TPE
Dibenz[a,h]anthracene	mg/kg	BaP TPE	<0.005	109	0	No	N/A; evaluated as BaP TPE
Fluoranthene	mg/kg	3500 [3]	0.0506	109	0	No	Maximum < Human health guideline
Fluorene	mg/kg	720 [2]	<0.035	109	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/kg	BaP TPE	<0.01	109	0	No	N/A; evaluated as BaP TPE
Naphthalene	mg/kg	360 [2]	<0.025	109	0	No	All measurements below MDL
Perylene	mg/kg	--	<0.01	108	0	No	All measurements below MDL
Phenanthrene	mg/kg	1500 [4]	0.0337	109	0	No	Maximum < Human health guideline
Pyrene	mg/kg	78 [2]	0.0746	109	0	No	Maximum < Human health guideline
Quinoline	mg/kg	2.5 [4]	<0.01	109	0	No	All measurements below MDL

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME soil quality guidelines, human health (SQG_{HH}), agricultural land use, coarse-grained soil. Human health component is direct soil contact;
2 – MOE 2011, Table 3 soil components (non-potable), residential/parkland land use, coarse-textured soil. Human health component is S1 Contact;
3 – Alberta Environment and Parks, 2019, Table A2 Surface Soil Remediation guidelines for agricultural, coarse-grained soil;
4 – BCMOE Generic Numerical Soil Standards to Protect Human Health, residential low density (Government of British Columbia 1996/2018).

Table 5: Human Health Screening for COCs in Soil – PHCs

Contaminant	Units	CCME CSQG – Human Health [1]	Maximum Concentration	N	N > CCME CSQG – Human Health	COC for Human Health?	Rationale
F1 (C6-C10)	mg/kg	12000	532	124	0	No	Maximum < Human health guideline
F2 (C10-C16)	mg/kg	6800	2740	124	0	No	Maximum < Human health guideline
F3 (C16-C34)	mg/kg	15000	4190	124	0	No	Maximum < Human health guideline
F4 (C34-C50)	mg/kg	21000	3550	124	0	No	Maximum < Human health guideline

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 2008), Canada wide standards (CWS) for PHCs in soil, agricultural land use, coarse-grained soil. Tier 1 human health component values for direct soil contact.

3.2.1.2 Surface Water

The human health component values for surface water related exposure pathways applicable to the Site are as follows:

- Health Canada *Guidelines for Canadian Drinking Water Quality* (Health Canada 2020).
- U.S. EPA (2022) human health guidelines for water as follows:
  - RSLs for residential soil and tap water, adjusted to cancer risk of 10^{-5} or hazard quotient of 0.2, for human health;
  - maximum contaminant levels (MCLs) for drinking water for human health;
- BCMOE human health guidelines were used for drinking water from BC Regulation 375/96 (Schedule 3, drinking water and soil guidelines) (Government of British Columbia 1996).

There are two surface water bodies present at the Site, which were considered separately in the screening process: 1) Drinking Water Lake (AEC 5), which served as a drinking water source and 2) the Campsite Area Pond within AEC 1. A summary of the surface water screening is presented for metals in Drinking Water Lake (AEC 5) in Table 6 and PAHs in Table 7. For Campsite Area Pond (AEC 1) the screening for metals is provided in Table 8 and for PAHs in Table 9. Data for all samples individually were presented in the Phase III and are reproduced in Appendix B.

Guideline values could not be located for the following inorganic elements: bismuth, cesium, potassium, rubidium, silicon, sulfur, tellurium, thorium, titanium tungsten and zirconium. Concentrations of bismuth, lithium, tellurium and tungsten were all below the method detection limit. None of these other inorganic elements are associated with the activities that were conducted at the Site. Furthermore, it is assumed that a complete lack of guidelines is reflective of a chemical being generally innocuous or uncommon, or that there is an absence of toxicological information in the medium. It is unlikely that these chemicals would pose a human health risk and therefore are not carried forward as COCs for human health.

Concentrations of PAH compounds measured in surface water were below all applicable human health guidelines in Drinking Water Lake (AEC 5).

Aluminum concentrations are similar to background and therefore aluminum is not considered further in Drinking Water Lake (AEC 5).

From the screening process, there are no exceedances in the surface water in Drinking Water Lake (AEC 5) indicating that it is safe to drink the water.

Table 6: Human Health COC Screening in Surface Water – Metals – Drinking Water Lake (AEC 5)

Contaminant	Units	Health Canada Drinking Water[1]	Average Concentration		Maximum Concentration	N	N > Guideline	COC for Human Health?	Rationale
			Back-ground	AEC 5					
Aluminum	mg/L	--	0.10	0.03	0.04	9	0	No	Similar to background
Antimony	mg/L	0.006	<0.0001	<0.0001	<0.0001	9	0	No	All measurements below MDL
Arsenic	mg/L	0.01	0.0003	0.0001	0.0001	9	0	No	Maximum < Human health guideline
Barium	mg/L	1	0.009	0.007	0.007	9	0	No	Maximum < Human health guideline
Beryllium	mg/L	0.004[3]	<0.00002	<0.00002	<0.00002	9	0	No	All measurements below MDL
Bismuth	mg/L	--	<0.00005	<0.00005	<0.00005	9	0	No	All measurements below MDL
Boron	mg/L	5	<0.01	<0.01	<0.01	9	0	No	All measurements below MDL
Cadmium	mg/L	0.005	0.00001	0.00002	<0.000005	9	0	No	All measurements below MDL
Calcium	mg/L	--	3.7	1.3	1.4	9	0	No	Component of the earth's crust
Cesium	mg/L	--	0.00001	<0.00001	<0.00001	9	0	No	All measurements below MDL
Chromium	mg/L	0.05	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Cobalt	mg/L	0.14	0.0008	0.0001	0.0001	9	0	No	Maximum < Human health guideline
Copper	mg/L	1	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Iron	mg/L	0.3	1.6	0.21	0.23	9	0	No	Maximum < Human health guideline
Lead	mg/L	0.01	0.0003	0.0002	0.0003	9	0	No	Maximum < Human health guideline
Lithium	mg/L	--	<0.001	<0.001	<0.001	9	0	No	All measurements below MDL
Magnesium	mg/L	--	1.5	0.65	0.67	9	0	No	Component of the earth's crust
Manganese	mg/L	0.12	0.084	0.03	0.04	9	0	No	Maximum < Human health guideline
Mercury	mg/L	0.001	<0.000005	<0.000005	<0.000005	9	0	No	All measurements below MDL
Molybdenum	mg/L	0.01[2]	0.0002	<0.00005	<0.00005	9	0	No	All measurements below MDL
Nickel	mg/L	0.078[2]	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Phosphorus	mg/L	194[2]	<0.05	<0.05	<0.05	9	0	No	All measurements below MDL
Potassium	mg/L	--	0.76	0.54	0.57	9	0	No	Component of the earth's crust
Rubidium	mg/L	--	0.001	0.001	0.001	9	0	No	Similar to background
Selenium	mg/L	0.05	<0.00005	<0.00005	<0.00005	9	0	No	All measurements below MDL
Silver	mg/L	--	0.00001	<0.00001	<0.00001	9	0	No	All measurements below MDL
Sodium	mg/L	200	0.62	0.40	0.40	9	0	No	Maximum < Human health guideline
Strontium	mg/L	22[4]	0.011	0.005	0.005	9	0	No	Maximum < Human health guideline
Sulphur	mg/L	--	0.590	<0.5	<0.5	9	0	No	All measurements below MDL
Tellurium	mg/L	--	<0.0002	<0.0002	<0.0002	9	0	No	All measurements below MDL
Thallium	mg/L	0.002[3]	<0.00001	<0.00001	<0.00001	9	0	No	All measurements below MDL
Thorium	mg/L	--	0.0003	<0.0001	<0.0001	9	0	No	All measurements below MDL

Contaminant	Units	Health Canada Drinking Water[1]	Average Concentration		Maximum Concentration	N	N > Guideline	COC for Human Health?	Rationale
			Back-ground	AEC 5					
Tin	mg/L	22[4]	<0.0001	<0.0001	<0.0001	9	0	No	All measurements below MDL
Titanium	mg/L	--	0.003	0.001	0.002	9	0	No	Similar to background
Tungsten	mg/L	--	<0.0001	<0.0001	<0.0001	9	0	No	All measurements below MDL
Uranium	mg/L	0.02	0.0002	0.00002	0.00003	9	0	No	Maximum < Human health guideline
Vanadium	mg/L	0.0172[2]	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Zinc	mg/L	5	0.005	0.01	0.008	9	0	No	Maximum < Human health guideline
Zirconium	mg/L	--	0.001	<0.0002	<0.0002	9	0	No	All measurements below MDL

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – Health Canada 2020, drinking water guideline;
2 – U.S. EPA 2022, risk-based screening level (RBSL), based on hazard index of 0.1, multiplied by 2 for consistency with Health Canada guidance (HQ = 0.2);
3 – U.S. EPA 2022, maximum contaminant level (MCL) for drinking water for human health;
4 – BCMOE, B.C. Reg. 375/96, HH value from Schedule 10.

Table 7: Human Health COC Screening in Surface Water – PAHs - Drinking Water Lake (AEC 5)

Contaminant	Units	Health Canada Drinking Water[1]	Maximum Concentration	N	N > Guideline	COC for Human Health?	Rationale
1+2-Methylnaphthalene	mg/L	--	<0.000015	6	0	No	All measurements below MDL
1-Methylnaphthalene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
2-Methylnaphthalene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Acenaphthene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Acenaphthylene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Acridine	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Anthracene	mg/L	1[2]	<0.00001	6	0	No	All measurements below MDL
B[a]P TPE Total Potency Equivalents	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Benz[a]anthracene	mg/L	0.00007[2]	<0.00001	6	0	No	All measurements below MDL
Benzo[a]pyrene	mg/L	0.00004	<0.000005	6	0	No	All measurements below MDL
Benzo[b,j,k]fluoranthene	mg/L	0.00007[2]	<0.000015	6	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/L	0.00007[2]	<0.00001	6	0	No	All measurements below MDL
Benzo[e]pyrene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Benzo[g,h,i]perylene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Benzo[k]fluoranthene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Chrysene	mg/L	0.0007[2]	<0.00001	6	0	No	All measurements below MDL
Dibenz[a,h]anthracene	mg/L	0.00001[2]	<0.000005	6	0	No	All measurements below MDL
Fluoranthene	mg/L	0.15[2]	<0.00001	6	0	No	All measurements below MDL
Fluorene	mg/L	0.15[2]	<0.00001	6	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Naphthalene	mg/L	0.08[2]	<0.00001	6	0	No	All measurements below MDL
Perylene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Phenanthrene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Pyrene	mg/L	--	<0.00001	6	0	No	All measurements below MDL
Quinoline	mg/L	--	<0.000014	6	0	No	All measurements below MDL

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – Health Canada 2020, drinking water guideline;
2 – U.S. EPA 2022, risk-based screening level (RBSL), based on hazard index of 0.1, multiplied by 2 for consistency with Health Canada guidance (HQ = 0.2).

For the Campsite Area Pond (AEC 1) there are no exceedances of the drinking water guideline for PAHs (Table 9). However, as seen in Table 8, lead and iron within the surface water. The lead is likely associated with the six broken batteries in the inlet of the pond. The maximum concentration of iron in surface water exceeded the human health guideline at all locations in the Campsite Area Pond. The Health Canada drinking water guideline for iron is based on an aesthetic objective (taste and protection of plumbing fixtures) and is not toxicologically based. Therefore, it is likely that the water will taste bad but does not represent a human health concern.

Figure 8 shows the surface water sample locations in the Campsite Area Pond where lead exceeds the drinking water guideline. It is noted that the drinking water guideline is based on water being a source for people to drink every day of their lifetime. People do not live at this Site and drink water daily, so the use of the drinking water guideline represents a very conservative benchmark for comparison purposes. It is noted that SW5 and SW6 are in the very shallow drainage channel into the Campsite Area Pond (see Photograph 2 below), which does not represent an area from where people would drink water. Concentrations of lead are above the drinking water guideline for lead at SW3 and SW4 in the Campsite Area Pond. If someone were to have an occasional drink of water from the Campsite Area Pond, it is unlikely that they will experience any adverse effect.

Photograph 2: Drainage Channel into Campsite Area Pond



Table 8: Human Health COC Screening in Surface Water – Metals – Campsite Area Pond (AEC 1)

Contaminant	Units	Health Canada Drinking Water[1]	Average Concentration		Maximum Concentration	N	N > Guideline	COC for Human Health?	Rationale
			Back-ground	AEC 1					
Aluminum	mg/L	--	0.10	0.11	0.52	14	0	No	Similar to background
Antimony	mg/L	0.006	<0.0001	0.001	0.002	14	0	No	Maximum < Human health guideline
Arsenic	mg/L	0.01	0.0003	0.0004	0.002	14	0	No	Maximum < Human health guideline
Barium	mg/L	1	0.009	0.009	0.01	14	0	No	Maximum < Human health guideline
Beryllium	mg/L	0.004[3]	<0.00002	0.00003	0.00003	14	0	No	Maximum < Human health guideline
Bismuth	mg/L	--	<0.00005	<0.00005	<0.00005	14	0	No	All measurements below MDL
Boron	mg/L	5	<0.01	<0.01	<0.01	14	0	No	All measurements below MDL
Cadmium	mg/L	0.005	0.00001	0.00002	0.00007	14	0	No	Maximum < Human health guideline
Calcium	mg/L	--	3.7	1.4	2.8	14	0	No	Component of the earth's crust
Cesium	mg/L	--	0.00001	0.00002	0.00003	14	0	No	Similar to background
Chromium	mg/L	0.05	0.001	0.002	0.002	14	0	No	Maximum < Human health guideline
Cobalt	mg/L	0.14	0.0008	0.0007	0.003	14	0	No	Maximum < Human health guideline
Copper	mg/L	1	0.001	0.001	0.002	14	0	No	Maximum < Human health guideline
Iron	mg/L	0.3	1.6	5.6	27	14	11	**Yes**	**Maximum > Human health guideline**
Lead	mg/L	0.005	0.0003	0.01	0.06	14	5	**Yes**	**Maximum > Human health guideline**
Lithium	mg/L	--	<0.001	<0.001	<0.001	14	0	No	All measurements below MDL
Magnesium	mg/L	--	1.5	0.68	1.1	14	0	No	Component of the earth's crust
Manganese	mg/L	0.12	0.084	0.032	0.1	14	0	No	Maximum < Human health guideline
Mercury	mg/L	0.001	<0.000005	0.00001	6.4E-06	14	0	No	Maximum < Human health guideline
Molybdenum	mg/L	0.01[2]	0.0002	0.0001	0.0001	14	0	No	Maximum < Human health guideline
Nickel	mg/L	0.078[2]	0.001	0.001	0.002	14	0	No	Maximum < Human health guideline
Phosphorus	mg/L	194[2]	<0.05	0.20	0.20	14	0	No	Maximum < Human health guideline
Potassium	mg/L	--	0.76	0.55	0.79	14	0	No	Component of the earth's crust
Rubidium	mg/L	--	0.001	0.001	0.001	14	0	No	Similar to background
Selenium	mg/L	0.05	<0.00005	0.00008	0.00009	14	0	No	Maximum < Human health guideline
Silver	mg/L	--	0.00001	0.00001	0.00001	14	0	No	Similar to background
Sodium	mg/L	200	0.62	0.60	1.1	14	0	No	Maximum < Human health guideline
Strontium	mg/L	22[4]	0.011	0.006	0.009	14	0	No	Maximum < Human health guideline
Sulphur	mg/L	--	0.590	<0.5	<0.5	14	0	No	All measurements below MDL
Tellurium	mg/L	--	<0.0002	<0.0002	<0.0002	14	0	No	All measurements below MDL
Thallium	mg/L	0.002[3]	<0.00001	<0.00001	<0.00001	14	0	No	All measurements below MDL
Thorium	mg/L	--	0.0003	0.0002	0.0009	14	0	No	Similar to background

Contaminant	Units	Health Canada Drinking Water[1]	Average Concentration		Maximum Concentration	N	N > Guideline	COC for Human Health?	Rationale
			Back-ground	AEC 1					
Tin	mg/L	22[4]	<0.0001	<0.0001	<0.0001	14	0	No	All measurements below MDL
Titanium	mg/L	--	0.003	0.002	0.009	14	0	No	Similar to background
Tungsten	mg/L	--	<0.0001	<0.0001	<0.0001	14	0	No	All measurements below MDL
Uranium	mg/L	0.02	0.0002	0.00006	0.0001	14	0	No	Maximum < Human health guideline
Vanadium	mg/L	0.0172[2]	0.001	0.005	0.009	14	0	No	Maximum < Human health guideline
Zinc	mg/L	5	0.005	0.03	0.06	14	0	No	Maximum < Human health guideline
Zirconium	mg/L	--	0.001	0.0005	0.001	14	0	No	Similar to background

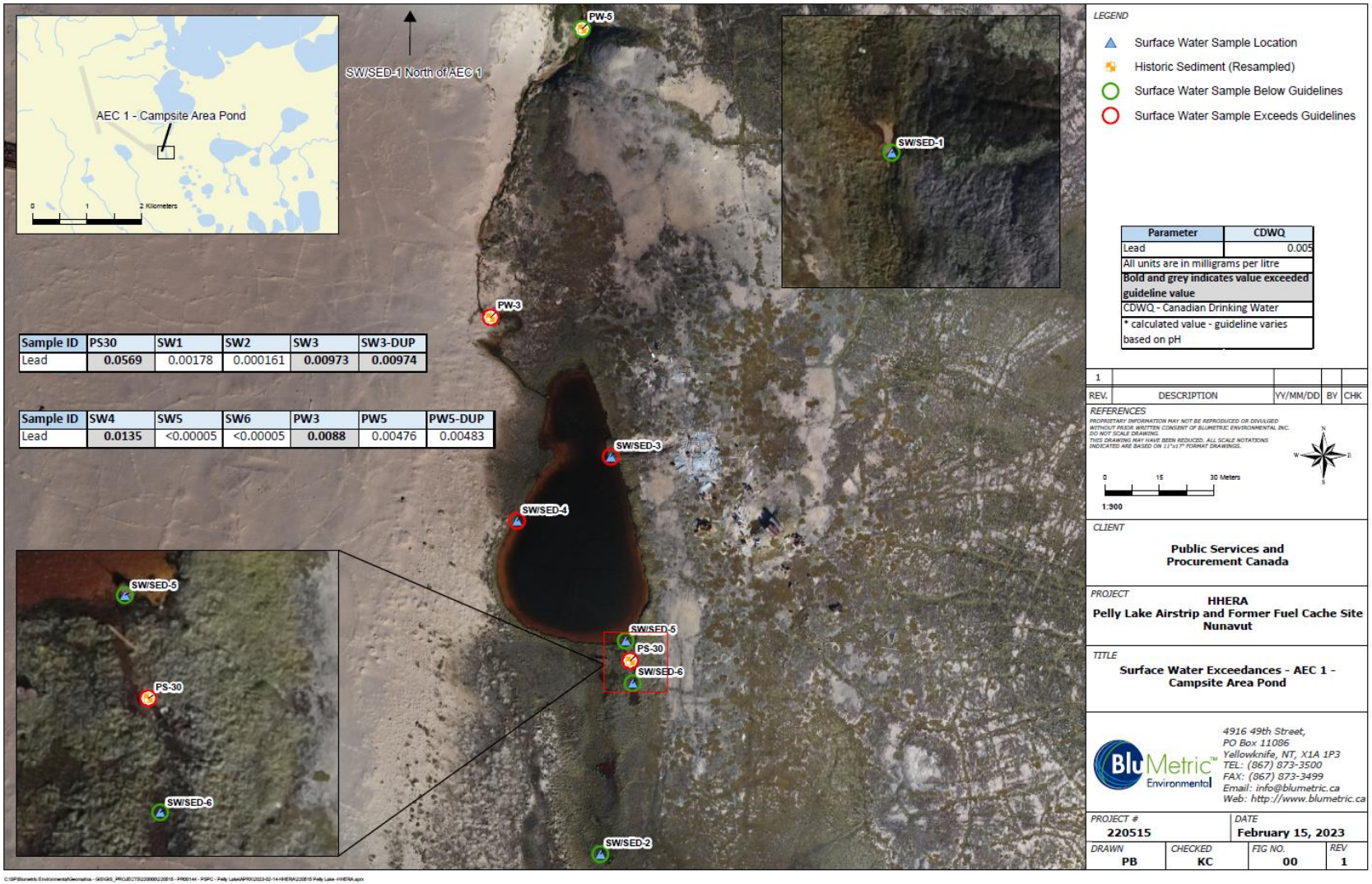
Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – Health Canada 2022, drinking water guideline;
2 – U.S. EPA 2022, risk-based screening level (RBSL), based on hazard index of 0.1, multiplied by 2 for consistency with Health Canada guidance (HQ = 0.2);
3 – U.S. EPA 2022, maximum contaminant level (MCL) for drinking water for human health;
4 – BCMOE, B.C. Reg. 375/96, HH value from Schedule 10.

Table 9: Human Health COC Screening in Surface Water – PAHs – Campsite Area Pond (AEC 1)

Contaminant	Units	Health Canada Drinking Water[1]	Maximum Concentration	N	N > Guideline	COC for Human Health?	Rationale
1+2-Methylnaphthalene	mg/L	--	<0.000015	11	0	No	All measurements below MDL
1-Methylnaphthalene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
2-Methylnaphthalene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Acenaphthene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Acenaphthylene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Acridine	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Anthracene	mg/L	1[2]	<0.00001	11	0	No	All measurements below MDL
B[a]P TPE Total Potency Equivalents	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Benz[a]anthracene	mg/L	0.00007[2]	<0.00001	11	0	No	All measurements below MDL
Benzo[a]pyrene	mg/L	0.00004	<0.000005	11	0	No	All measurements below MDL
Benzo[b,j,k]fluoranthene	mg/L	0.00007[2]	<0.000015	11	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/L	0.00007[2]	<0.00001	11	0	No	All measurements below MDL
Benzo[e]pyrene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Benzo[g,h,i]perylene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Benzo[k]fluoranthene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Chrysene	mg/L	0.0007[2]	<0.00001	11	0	No	All measurements below MDL
Dibenz[a,h]anthracene	mg/L	0.00001[2]	<0.000005	11	0	No	All measurements below MDL
Fluoranthene	mg/L	0.15[2]	<0.00001	11	0	No	All measurements below MDL
Fluorene	mg/L	0.15[2]	<0.00001	11	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Naphthalene	mg/L	0.08[2]	<0.00001	11	0	No	All measurements below MDL
Perylene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Phenanthrene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Pyrene	mg/L	--	<0.00001	11	0	No	All measurements below MDL
Quinoline	mg/L	--	<0.000127	11	0	No	All measurements below MDL

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – Health Canada 2020, drinking water guideline;
2 – U.S. EPA 2022, risk-based screening level (RBSL), based on hazard index of 0.1, multiplied by 2 for consistency with Health Canada guidance (HQ = 0.2).

Figure 8: Lead Concentrations in Campsite Area Pond that exceed Drinking Water Guidelines



Sample ID	PS30	SW1	SW2	SW3	SW3-DUP
Lead	**0.0569**	0.00178	0.000161	**0.00973**	**0.00974**

Sample ID	SW4	SW5	SW6	PW3	PW5	PW5-DUP
Lead	**0.0135**	<0.00005	<0.00005	**0.0088**	0.00476	0.00483

3.2.1.3 Sediment

There are no Federal or Provincial sediment quality guidelines for the protection of human health. Human contact with sediments is considered to be minimal at the Site. Sediments are not discussed further for the HHRA.

3.2.2 Receptor Identification and Assumptions

The Site can only be accessed by airplane during the summer months or by snow machine in winter months. The area of Pelly Lake is uninhabited and occasionally utilized by local Indigenous groups from Baker Lake or Gjoa Haven for subsistence hunting, although recent reports (BluMetric 2022a) indicate that this was more common in the past. The trip from Baker Lake to the Site takes 12 hours by snowmobile and several days by canoe and thus is rarely visited.

The guidelines used in the Screening process for soil in Section 3.2.1 assumed that the Site would be used for agricultural purposes. This means that someone would live at the Site year-round and have a farm, grow crops and raise livestock. In addition, they would use the waterbodies on Site as a drinking water source. This is a very conservative assumption as the Site is used only very occasionally.

3.3 Exposure Assessment

Exposure assessment involves estimating the potential doses of COCs received by the human receptors via the exposure pathways retained for quantitative evaluation in the HHRA. The term "dose" refers to the amount of the COC taken into the body and is usually reported in terms of mass of COC per mass of body weight of the organism per exposure time (such as mg/kg-day).

In subsequent phases of the HHRA, the exposure estimates are combined with toxicity information to evaluate risks to human receptors. For this assessment a qualitative assessment was carried out by comparing the maximum concentrations measured on Site to applicable guidelines which consider the exposure pathways associated with agricultural land use at the Site. Using these very conservative guidelines, it has been demonstrated that the maximum concentrations in soil are below the guidelines and thus there are no human health concerns related to soil pathways at the Site. All the concentrations in Drinking Water Lake are below the Health Canada Drinking Water guidelines indicating there is no risk from using this as a drinking water source every day for a lifetime. There are exceedances of lead at some locations in the Campsite Area Pond as demonstrated in Figure 8. If people who occasionally visited the Site were to drink water from the Campsite Area Pond while present at the Site, it would not represent a risk but it would likely be unpalatable due to the iron present in the water.

3.4 TOXICITY ASSESSMENT

Toxicity assessment involves identifying the types of adverse health effects COCs can cause and to select toxicological reference values (TRVs) for use in risk characterization. Contaminants are typically classified according to their mechanism(s) of toxicological action, either as non-threshold toxicants or threshold toxicants. For threshold toxicants (non-carcinogens), the assumption is made that there is a threshold dose, at which or below, which effects are not expected to occur. For non-threshold toxicants (which includes carcinogens, mutagens, and teratogens), it is assumed that any dose is related to an increased probability of toxic effects occurring. Toxicity data are used by various regulatory agencies to derive the guidelines used in the screening process. This process did not identify any contaminants for further quantitative assessment.

3.5 RISK CHARACTERIZATION

Risks to humans from exposure at the Site were qualitatively evaluated through the screening process in Section 3.2.1. As indicated in this section the maximum measured concentrations in soils from the Site do not exceed human health guidelines indicating that the Site is safe to be used by people undertaking any type of activity. There are exceedances of lead at some locations in the Campsite Area Pond. If people who occasionally visited the Site were to drink water from the Campsite Area Pond while present at the Site, it would not represent a risk but it would likely be unpalatable due to the iron present in the water.

3.6 UNCERTAINTY ANALYSIS

A degree of uncertainty is an accepted part of the risk assessment process. Several sources of uncertainty contribute to the overall uncertainty of the conclusions. It is necessary to assess uncertainty to ensure that the assumptions made in the risk assessment process will not underestimate the risk to humans and to ensure that the conclusion produced has a high degree of confidence. The HHRA was a qualitative assessment using regulatory guidelines. Nonetheless, there are some assumptions underlying the qualitive assessment as discussed below.

Table 10: Summary of Assumptions and Uncertainty Associated with the HHRA

Assumption	Uncertainty	Under/Over Estimate Risk	Rationale
Identification of COCs			
All potential sources of contamination on the Site were identified.	Low	Neutral	Review of previous studies and historical Site use was completed. A Phase III ESA was conducted (BluMetric 2023) to address data gaps from the historical Phase II assessment in addition to delineating the contamination at the Site.
The types of COCs present on Site have been characterized in all media.	Low	Neutral	The Phase III ESA investigated COCs in soil, surface water, sediment, and vegetation. Background samples were also collected to evaluate naturally elevated levels at the Site. COCs in soil and water were considered to be sufficiently characterized.
COCs without guidelines were not carried forward.	Low	Neutral	No guidelines were available for bismuth, calcium, magnesium potassium and sodium. These elements are all commonly found in soil and in some cases are present in percent concentrations in soil, representing local geological conditions. These elements are dietary elements and have Dietary Reference Intake values assigned to them by Health Canada (Health Canada 2006). Calcium, magnesium potassium and sodium were not carried forward as COCs and it can be concluded that it is unlikely that the concentrations on Site would pose a risk to human health. It is assumed that a complete lack of guidelines is reflective of a contaminant being generally innocuous or uncommon, or that there is an absence of toxicological information in the medium. It is unlikely that these contaminants would pose a human health risk.
Exposure Concentrations			
The maximum concentrations for COCs were identified.	Low	Neutral	Maximum concentrations were used in the screening process.
Exposure Assumptions			
Receptor assumptions	Low	Overestimate	Agricultural guidelines were used in the screening process. This assumes that the Site is used year-round for farming. The Site is only used occasionally.
Toxicity			
TRVs	Moderate	Neutral	TRVs are used by regulatory agencies to derive the guidelines. In many cases the TRVs have uncertainty factors applied to ensure that no adverse health outcomes will occur.

3.7 EFFECT OF CLIMATE CHANGE ON HHRA RESULTS

The changing climate has the potential to impact how the risk associated with contaminants is assessed and how effective the remedial and risk management plans are at these contaminated sites. A look ahead to future climatic conditions allows for the consideration of these impacts when assessing and remediating the site. Environment and Climate Change Canada (ECCC) has developed a guidance document entitled the Federal Contaminated Sites Action Plan (FCSAP): Integrating Climate Change Adaptation Considerations into Federal Contaminated Sites Management (Version 1.0) (ECCC 2022) which details how each step of the decision-making framework (DMF) can be modified to incorporate climate change adaptation and mitigation measures. The following sections describe the future climatic conditions anticipated to be experienced at the Site based on the FCSAP guidance.

Based on climate projections, the Pelly Lake area is predicted to experience an increase in precipitation, an increase in wet days, higher mean temperatures, a greater number of warmer days and a lower number of ice days.

The temperature changes will result in increased water temperatures and soil temperatures and less snow cover on the ground. These warming temperatures may result in enhanced attenuation of the PHC in soils which would lead to decreased concentrations. The decrease in snow cover would result in more days when the surface soils are snow free indicating a potential for increased exposure to the contamination by humans. Given that the maximum concentrations of contaminants in soil at the Site are all below human health guidelines, the increased snow free days will not result in any risks to human health. Additionally, the lack of snow cover is likely to result in reduced access to the Site by snowmobile.

The increased precipitation will result in increased surface erosion, surface run-off and infiltration. All of these processes are likely to result in decreased concentrations of PHCs and metals in the surface soils at the Site. Given that the maximum concentrations of contamination in the soil at the Site are all below human health guidelines, the increased precipitation will not result in any risks to human health.

The higher temperatures and greater number of warmer days may have the potential to degrade the permafrost. If this occurs it is likely that there will be slumping of the soils at the Site as the permafrost melts which would potentially lead to covering of surficial soils and eliminating exposure pathways to soil at the Site.

There is also likely to be increases in forest and grass fires. As there is not a substantial amount of vegetation present, it is unlikely there will be increased fires at the Site that would affect the contaminant fate and transport.

In summary, climate change will not result in any risks to human health at the Site. It is likely that climate change would tend to reduce the concentrations of contamination.

3.8 DISCUSSION

A qualitative HHRA was conducted for the Pelly Lake Former Airstrip and Fuel Cache Site. The qualitative assessment involved the comparison of the maximum measured concentrations in soil and surface water to the applicable human health guidelines. The guidelines used assumed that the Site could be used for agricultural purposes whereby someone could farm year-round at the Site. The comparison of maximum measured concentrations to the agricultural human health guidelines indicated that there were no exceedances. Therefore, there are no human health risks at the Site and it can continue to be used for activities by people.

4. ECOLOGICAL RISK ASSESSMENT

4.1 SCOPE, REGULATORY CONTEXT, EXISTING SITE INFORMATION

The purpose of the ecological risk assessment (ERA) is to develop a Site-specific risk-based approach to ensure that rational decisions are made with respect to evaluating remedial options.
The goals for the ERA are as follows:

1. To assess the potential risks to ecological receptors posed by the presence of contamination at the Site.
2. To support recommendations for remediation or risk management to mitigate or reduce risks to acceptable levels (if unacceptable risks are identified).
3. If warranted, establish Site-specific criteria that will adequately protect ecological receptors at the Site.

The ERA has been prepared in accordance with FCSAP ERA guidance (FCSAP 2012) and CCME ERA guidance (CCME 2020). The category of ERA is not defined in the FCSAP guidance according to scope or level of detail. Included in the guidance are weight-of-evidence (WOE) and line of evidence (LOE) approaches to determine the potential ecological risks.

4.2 PROBLEM FORMULATION

In this section, COCs specific to ecological receptors are screened, and the receptors and exposure pathways considered further in the ERA are identified.

4.2.1 Identification of Contaminants of Concern for Environmental Health

A tiered screening process was carried out to identify ERA COCs in soil, surface water, and sediment. The general approach followed for selecting the COCs for consideration in the ERA involved using measured contaminant concentrations in soil, surface water, and sediment. In the first tier of screening, contaminants with the majority of values (i.e., 90% or more) below the MDL were not considered further as they were considered highly censored meaning that the contaminant is not considered to be present at the Site. Of the remaining contaminants, maximum measured concentrations were then compared to soil, surface water, and sediment quality guidelines. A concentration above a guideline does not mean that there is an actual risk to the environment.

Therefore, comparisons to background concentrations were also completed. Only contaminants present in soils, surface water, or sediment above guidelines or background were selected to be evaluated in the ERA.

4.2.1.1 Soil

The soil COC screening was based on maximum concentrations measured at the Site. The data used were obtained from the Phase III ESA (BluMetric 2022b).

For the soil ERA COC screening, measured contaminant concentrations were compared to CCME soil quality guidelines for environmental health, agricultural land use. In the absence of CCME guidelines, alternate sources were considered; these are identified in footnotes in Table 11 and Table 12.

In the first step of the metal screening, bismuth, hexavalent chromium, selenium, silver, sodium, sulphur, thorium, tin, and tungsten were removed from consideration as all of the measurements were below the MDL for these contaminants.

The second screening step involved comparison of maximum concentrations for the Site to the ecological component of the CCME agricultural guidelines. In this step, the maximum concentrations of a number of metals including antimony, arsenic, barium, beryllium, boron, boron (hot water soluble), cadmium, chromium (total and hexavalent), cobalt, copper, iron, lead, lithium, manganese, molybdenum, nickel, selenium, strontium, uranium, vanadium and zinc were all below the ecological component of the CCME guideline (see Table 11). No CCME guidelines were available for calcium, magnesium, potassium, and phosphorus, however, they were not carried forward in the ERA as they are naturally occurring elements in nature and part of the earth's crust. Zirconium has no guidelines and is not associated with the activities and was not considered further.

The majority of the PAHs were measured below the MDL and for those with measured concentrations, all maximum concentrations were below guidelines (see Table 12).

For PHCs (Table 12), the maximum concentrations of all the fractions (F1, F2, F3 and F4) were all above the ecological component of the guidelines.

In summary, COCs identified and carried forward from the soil screen for further analysis in the ERA are PHCs F1, F2, F3 and F4.

Table 11: ERA Soil COC Screen – Metals

Contaminant	Units	CCME CSQG – Ecological Health [1]	Average Concentration		Maximum Concentration	N	N > CCME CSQG – Ecological Health	COC for Ecological Health?	Rationale
			Back-ground	Site					
Aluminum	mg/kg	--	848	1370	2710	96	0	No	Component of the earth's crust
Antimony	mg/kg	20	<0.1	0.23	0.23	96	0	No	Maximum < Ecological guideline
Arsenic	mg/kg	17	0.46	0.54	1.5	96	0	No	Maximum < Ecological guideline
Barium	mg/kg	500	4.05	6.02	21	96	0	No	Maximum < Ecological guideline
Beryllium	mg/kg	4	<0.1	0.15	0.24	96	0	No	Maximum < Ecological guideline
Bismuth	mg/kg	--	<0.2	<0.2	<0.28	96	0	No	All measurements below MDL
Boron	mg/kg	120 [2]	<5	<5	<7.1	96	0	No	All measurements below MDL
Boron, hot water soluble	mg/kg	3.3 [3]	<0.1	0.13	0.14	96	0	No	Maximum < Ecological guideline
Cadmium	mg/kg	10	<0.02	0.05	0.099	96	0	No	Maximum < Ecological guideline
Calcium	mg/kg	--	182	349	1260	96	0	No	Component of the earth's crust
Chromium	mg/kg	64	1.1	2.2	6.2	96	0	No	Maximum < Ecological guideline
Chromium (hexavalent)	mg/kg	0.4	<0.1	<0.1	<0.1	96	0	No	All measurements below MDL
Cobalt	mg/kg	40	0.51	0.86	2.9	96	0	No	Maximum < Ecological guideline
Copper	mg/kg	63	0.63	1.3	7.3	96	0	No	Maximum < Ecological guideline
Iron	mg/kg	--	2000	2981	6150	96	0	No	Maximum < Ecological guideline
Lead	mg/kg	70	0.86	2.7	62	96	0	No	Maximum < Ecological guideline
Lithium	mg/kg	10 [4]	2.6	3.2	5.4	96	0	No	Maximum < Ecological guideline
Magnesium	mg/kg	--	416	693	1820	96	0	No	Component of the earth's crust
Manganese	mg/kg	320 [5]	19	33	99	96	0	No	Maximum < Ecological guideline
Mercury	mg/kg	12	<0.005	0.01	0.02	96	0	No	Maximum < Ecological guideline
Molybdenum	mg/kg	5	<0.1	0.14	0.21	96	0	No	Maximum < Ecological guideline
Nickel	mg/kg	45	0.86	1.2	3.64	96	0	No	Maximum < Ecological guideline
Phosphorus	mg/kg	--	87	109	236	96	0	No	Component of the earth's crus
Potassium	mg/kg	--	170	205	580	96	0	No	Component of the earth's crust
Selenium	mg/kg	1	<0.2	<0.2	<0.28	96	0	No	All measurements below MDL
Silver	mg/kg	20	<0.1	<0.1	<0.14	96	0	No	All measurements below MDL
Sodium	mg/kg	--	<50	56	<71	96	0	No	All measurements below MDL
Strontium	mg/kg	96 [5]	5.3	6.2	9.6	96	0	No	Maximum < Ecological guideline
Sulphur	mg/kg	500	<1000	<1000	<1400	96	0	No	All measurements below MDL
Thallium	mg/kg	1	<0.05	<0.05	<0.071	96	0	No	All measurements below MDL
Tin	mg/kg	5	<2	<2	<2.8	96	0	No	All measurements below MDL
Titanium	mg/kg	--	62	101	228	96	0	No	No not associated with Site activities

Contaminant	Units	CCME CSQG – Ecological Health [1]	Average Concentration		Maximum Concentration	N	N > CCME CSQG – Ecological Health	COC for Ecological Health?	Rationale
			Back-ground	Site					
Tungsten	mg/kg	--	<0.5	<0.5	<0.71	96	0	No	All measurements below MDL
Uranium	mg/kg	33	0.14	0.28	2.1	96	0	No	Maximum < Ecological guideline
Vanadium	mg/kg	130	2.8	5.1	19	96	0	No	Maximum < Ecological guideline
Zinc	mg/kg	250	3.8	5.6	12	96	0	No	Maximum < Ecological guideline
Zirconium	mg/kg	--	<1	1.3	1.9	96	0	No	No not associated with Site activities

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 199a, soil quality guidelines, environmental health (SQGE), agricultural land use;
2 – MOE 2011, Table 3 soil components (non-potable) for coarse-textured soil. Ecological health component is Plants and Soil Organisms;
3 – Alberta Environment and Parks 2019, Table A2 Surface Soil Remediation guidelines for agricultural, coarse-grained soil;
4 – Based on data reported in Efroymson et al. (1997);
5 – BCMOE Generic Numerical Soil Standards to Protect Human Health, residential low density (Government of British Columbia 1996/2018).

Table 12: ERA Soil COC Screen – PAHs, and PHCs

Contaminant	Units	CCME CSQG – Ecological Health [1]	Maximum Concentration	N	N > CCME CSQG – Ecological Health	COC for Ecological Health?	Rationale
Polycyclic Aromatic Hydrocarbons							
1+2-Methylnaphthalene	mg/kg	--	<0.082	109	0	No	All measurements below MDL
1-Methylnaphthalene	mg/kg	0.99 [2]	<0.05	109	0	No	All measurements below MDL
2-Methylnaphthalene	mg/kg	0.99 [2]	<0.065	109	0	No	All measurements below MDL
Acenaphthene	mg/kg	0.28	<0.04	109	0	No	All measurements below MDL
Acenaphthylene	mg/kg	320	<0.065	109	0	No	All measurements below MDL
Acridine	mg/kg	--	<0.28	109	0	No	All measurements below MDL
Anthracene	mg/kg	2.5	<0.016	109	0	No	All measurements below MDL
Benz[a]anthracene	mg/kg	0.1	<0.026	109	0	No	All measurements below MDL
Benzo[a]pyrene	mg/kg	20	0.0127	109	0	No	Maximum < Ecological guideline
Benzo[b,j,k]fluoranthene	mg/kg	0.1	<0.015	1	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/kg	0.1	0.016	109	0	No	Maximum < Ecological guideline
Benzo[e]pyrene	mg/kg	20	0.026	108	0	No	Use benzo(a)pyrene as surrogate
Benzo[g,h,i]perylene	mg/kg	6.6 [2]	<0.01	109	0	No	All measurements below MDL
Benzo[k]fluoranthene	mg/kg	0.1	<0.01	109	0	No	All measurements below MDL
Chrysene	mg/kg	6.2	0.116	109	0	No	Maximum < Ecological guideline
Dibenz[a,h]anthracene	mg/kg	0.1	<0.005	109	0	No	All measurements below MDL
Fluoranthene	mg/kg	50	0.0506	109	0	No	Maximum < Ecological guideline
Fluorene	mg/kg	0.25	<0.035	109	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/kg	0.1	<0.01	109	0	No	All measurements below MDL
Naphthalene	mg/kg	0.013	<0.025	109	0	No	All measurements below MDL
Perylene	mg/kg	--	<0.01	108	0	No	All measurements below MDL
Phenanthrene	mg/kg	0.046	0.0337	109	0	No	Maximum < Ecological guideline
Pyrene	mg/kg	7.7	0.0746	109	0	No	Maximum < Ecological guideline
Quinoline	mg/kg	0.1	<0.01	109	0	No	All measurements below MDL
Petroleum Hydrocarbons							
F1 (C6-C10)	mg/kg	210	532	124	1	**Yes**	**Maximum > Ecological guideline**
F2 (C10-C16)	mg/kg	150	2740	124	3	**Yes**	**Maximum > Ecological guideline**
F3 (C16-C34)	mg/kg	300	4190	124	9	**Yes**	**Maximum > Ecological guideline**
F4 (C34-C50)	mg/kg	2800	3550	124	3	**Yes**	**Maximum > Ecological guideline**

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;;
1 – CCME 199a, soil quality guidelines, environmental health (SQGE), agricultural land use;
2 – MOE 2011, Table 3 soil components (non-potable) for coarse-textured soil. Human health component is S1 Contact, Ecological health component is Plants and Soil Organisms.

4.2.1.2 Surface Water

The surface water COC screening process identified the COCs in the Campsite Area Pond and the Drinking Water Pond to be considered further in the aquatic ERA. In this screen the CCME (2020) Guidelines for the Protection of Aquatic Life were used as the screening criteria. The surface water screening for metals is shown in Table 13 (AEC 1) and Table 14 (AEC 5) and for PAHs in Table 15 (AEC 1) and Table 16 (AEC 5).

For the Campsite Area Pond (AEC 1), all samples were below the MDL for bismuth, boron, lithium, sulfur, tellurium, thallium, thallium, tin and tungsten, and were not considered further. Aluminum, copper, rubidium, thorium and zirconium had concentrations similar to background and were therefore also not considered further.

A comparison of maximum measured concentrations to CCME guidelines for protection of aquatic life indicated that antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, magnesium, molybdenum, mercury, nickel, phosphorus, potassium, selenium, silver, sodium, strontium, titanium, uranium, vanadium and zinc had maximum measured levels that were lower than the guideline and therefore were not considered further as they do not present a risk to aquatic life. Only lead and iron had maximum concentrations that exceeded the guidelines and were considered further in the ERA for Campsite Area Pond (AEC 1).

The phosphorous maximum concentration (associated with 1 out of 14 samples) exceeded the guideline; however, the concentrations of the other 13 samples did not and thus phosphorous was not considered further.

For Drinking Water Lake (AEC 5), no COCs were identified for further analysis as all concentrations were either below the MDL or below the surface water guidelines for the protection of aquatic life indicating that there are no risks associated with Drinking Water Lake.

In summary, iron and lead were identified for further evaluation in the ERA for surface water in the Campsite Area Pond (AEC 1).

Table 13: ERA Surface Water COC Screen – Metals – Campsite Area Pond (AEC 1)

Contaminant	Units	CCME (Protection of Freshwater Life) [1]	Average Concentration		Maximum Concentration	N	N > CCME	COC for Ecological Health?	Rationale
			Back-ground	AEC 1					
Aluminum	mg/L	0.005	0.10	0.11	0.52	14	11	No	Similar to background
Antimony	mg/L	0.02 [2]	<0.0001	0.001	0.002	14	0	No	Maximum < Ecological guideline
Arsenic	mg/L	0.005	0.0003	0.0004	0.002	14	0	No	Maximum < Ecological guideline
Barium	mg/L	1 [3]	0.009	0.009	0.01	14	0	No	Maximum < Ecological guideline
Beryllium	mg/L	0.0053 [3]	<0.00002	0.00003	0.00003	14	0	No	Maximum < Ecological guideline
Bismuth	mg/L	--	<0.00005	<0.00005	<0.00005	14	0	No	All measurements below MDL
Boron	mg/L	1.5	<0.01	<0.01	<0.01	14	0	No	All measurements below MDL
Cadmium	mg/L	0.00011	0.00001	0.00002	0.00007	14	0	No	Maximum < Ecological guideline
Calcium	mg/L	1000	3.7	1.4	2.8	14	0	No	Maximum < Ecological guideline
Cesium	mg/L	--	0.00001	0.00002	0.00003	14	0	No	Average similar to background
Chromium	mg/L	0.0089 [6]	0.001	0.002	0.002	14	0	No	Maximum < Ecological guideline
Cobalt	mg/L	0.004 [5]	0.0008	0.0007	0.003	14	0	No	Maximum < Ecological guideline
Copper	mg/L	0.002 [7]	0.001	0.001	0.002	14	1	No	Average Similar to background
Iron	mg/L	0.3	1.6	5.6	27	14	11	**Yes**	**Maximum > Ecological guideline**
Lead	mg/L	0.001 [7]	0.0003	0.01	0.06	14	8	**Yes**	**Maximum > Ecological guideline**
Lithium	mg/L	--	<0.001	<0.001	<0.001	14	0	No	All measurements below MDL
Magnesium	mg/L	82 [4]	1.5	0.68	1.1	14	0	No	Maximum < Ecological guideline
Manganese	mg/L	0.2 [5]	0.084	0.032	0.1	14	0	No	Maximum < Ecological guideline
Mercury	mg/L	$2.6x10^{-05}$	<0.000005	0.00001	6.4E-06	14	0	No	Maximum < Ecological guideline
Molybdenum	mg/L	0.073	0.0002	0.0001	0.0001	14	0	No	Maximum < Ecological guideline
Nickel	mg/L	0.025 [7]	0.001	0.001	0.002	14	0	No	Maximum < Ecological guideline
Phosphorus	mg/L	0.01 [2]	<0.05	0.20	0.20	14	1	No	Maximum > Ecological guideline for only 1 sample. All other samples below guideline
Potassium	mg/L	53 [4]	0.76	0.55	0.79	14	0	No	Maximum < Ecological guideline
Rubidium	mg/L	--	0.001	0.001	0.001	14	0	No	Average similar to background
Selenium	mg/L	0.001	<0.00005	0.00008	0.00009	14	0	No	Maximum < Ecological guideline
Silver	mg/L	0.00025	0.00001	0.00001	0.00001	14	0	No	Maximum < Ecological guideline
Sodium	mg/L	680 [4]	0.62	0.60	1.1	14	0	No	Maximum < Ecological guideline
Strontium	mg/L	21	0.011	0.006	0.009	14	0	No	Maximum < Ecological guideline
Sulphur	mg/L	1000	0.590	<0.5	<0.5	14	0	No	All measurements below MDL
Tellurium	mg/L	--	<0.0002	<0.0002	<0.0002	14	0	No	All measurements below MDL
Thallium	mg/L	0.0008	<0.00001	<0.00001	<0.00001	14	0	No	All measurements below MDL

Contaminant	Units	CCME (Protection of Freshwater Life) [1]	Average Concentration		Maximum Concentration	N	N > CCME	COC for Ecological Health?	Rationale
			Back-ground	AEC 1					
Thorium	mg/L	--	0.0003	0.0002	0.0009	14	0	No	Average similar to background
Tin	mg/L	0.18 [4]	<0.0001	<0.0001	<0.0001	14	0	No	All measurements below MDL
Titanium	mg/L	1 [5]	0.003	0.002	0.009	14	0	No	Maximum < Ecological guideline
Tungsten	mg/L	--	<0.0001	<0.0001	<0.0001	14	0	No	All measurements below MDL
Uranium	mg/L	0.015	0.0002	0.00006	0.0001	14	0	No	Maximum < Ecological guideline
Vanadium	mg/L	0.12	0.001	0.005	0.009	14	0	No	Maximum < Ecological guideline
Zinc	mg/L	0.03	0.005	0.03	0.06	14	1	No	Maximum > Ecological guideline for only 1 sample. All other samples below guideline
Zirconium	mg/L	--	0.001	0.0005	0.001	14	0	No	Average similar to background

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 1999c, water quality guideline for the protection of aquatic life (freshwater);
2 – Ontario Provincial Water Quality Objective (OMOEE 1994); interim value and should be used with caution;
3 – BCMOE working or approved water guidelines 2016;
4 – U.S. EPA 2015, Region 4 supplemental risk assessment guidance, surface water screening values, chronic, Table 1a;
5 – B.C. Reg. 375/96, Aquatic Life, freshwater; Mn is irrigation (BC 1996);
6 – Guideline is for trivalent chromium;
7 – Based on water hardness of less than 82 mg/L $CaCO_3$ (copper) and less than 60 mg/L $CaCO_3$ (lead, nickel).

Table 14: ERA Surface Water COC Screen – Metals – Drinking Water Lake (AEC 5)

Contaminant	Units	CCME (Protection of Freshwater Life) [1]	Average Concentration		Maximum Concentration	N	N > CCME	COC for Ecological Health?	Rationale
			Back-ground	AEC 5					
Aluminum	mg/L	0.005	0.10	0.03	0.04	9	0	No	Maximum < Ecological guideline
Antimony	mg/L	0.02 [2]	<0.0001	<0.0001	<0.0001	9	0	No	All measurements below MDL
Arsenic	mg/L	0.005	0.0003	0.0001	0.0001	9	0	No	Maximum < Ecological guideline
Barium	mg/L	1 [3]	0.009	0.007	0.007	9	0	No	Maximum < Ecological guideline
Beryllium	mg/L	0.0053 [3]	<0.00002	<0.00002	<0.00002	9	0	No	All measurements below MDL
Bismuth	mg/L	--	<0.00005	<0.00005	<0.00005	9	0	No	All measurements below MDL
Boron	mg/L	1.5	<0.01	<0.01	<0.01	9	0	No	Maximum < Ecological guideline
Cadmium	mg/L	0.00011	0.00001	0.00002	<0.000005	9	0	No	All measurements below MDL
Calcium	mg/L	1000	3.7	1.3	1.4	9	0	No	Maximum < Ecological guideline
Cesium	mg/L	--	0.00001	<0.00001	<0.00001	9	0	No	All measurements below MDL
Chromium	mg/L	0.0089 [6]	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Cobalt	mg/L	0.004 [5]	0.0008	0.0001	0.0001	9	0	No	Maximum < Ecological guideline
Copper	mg/L	0.002 [7]	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Iron	mg/L	0.3	1.6	0.21	0.23	9	0	No	Maximum < Ecological guideline
Lead	mg/L	0.001 [7]	0.0003	0.0002	0.0003	9	0	No	Maximum < Ecological guideline
Lithium	mg/L	--	<0.001	<0.001	<0.001	9	0	No	All measurements below MDL
Magnesium	mg/L	82 [4]	1.5	0.65	0.67	9	0	No	Maximum < Ecological guideline
Manganese	mg/L	0.2 [5]	0.084	0.03	0.036	9	0	No	Maximum < Ecological guideline
Mercury	mg/L	$2.6x10^{-05}$	<0.000005	<0.000005	<0.000005	9	0	No	All measurements below MDL
Molybdenum	mg/L	0.073	0.0002	<0.00005	<0.00005	9	0	No	All measurements below MDL
Nickel	mg/L	0.025 [7]	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Phosphorus	mg/L	0.01 [2]	<0.05	<0.05	<0.05	9	0	No	All measurements below MDL
Potassium	mg/L	53 [4]	0.76	0.54	0.57	9	0	No	Maximum < Ecological guideline
Rubidium	mg/L	--	0.001	0.001	0.001	9	0	No	Average similar to background
Selenium	mg/L	0.001	<0.00005	<0.00005	<0.00005	9	0	No	All measurements below MDL
Silver	mg/L	0.00025	0.00001	<0.00001	<0.00001	9	0	No	All measurements below MDL
Sodium	mg/L	680 [4]	0.62	0.40	0.40	9	0	No	Maximum < Ecological guideline
Strontium	mg/L	21	0.011	0.005	0.005	9	0	No	Maximum < Ecological guideline
Sulphur	mg/L	1000	0.590	<0.5	<0.5	9	0	No	All measurements below MDL
Tellurium	mg/L	--	<0.0002	<0.0002	<0.0002	9	0	No	All measurements below MDL
Thallium	mg/L	0.0008	<0.00001	<0.00001	<0.00001	9	0	No	All measurements below MDL
Thorium	mg/L	--	0.0003	<0.0001	<0.0001	9	0	No	All measurements below MDL

Contaminant	Units	CCME (Protection of Freshwater Life) [1]	Average Concentration		Maximum Concentration	N	N > CCME	COC for Ecological Health?	Rationale
			Back-ground	AEC 5					
Tin	mg/L	0.18 [4]	<0.0001	<0.0001	<0.0001	9	0	No	All measurements below MDL
Titanium	mg/L	1 [5]	0.003	0.001	0.002	9	0	No	Maximum < Ecological guideline
Tungsten	mg/L	--	<0.0001	<0.0001	<0.0001	9	0	No	All measurements below MDL
Uranium	mg/L	0.015	0.0002	0.00002	0.00003	9	0	No	Maximum < Ecological guideline
Vanadium	mg/L	0.12	0.001	<0.0005	<0.0005	9	0	No	All measurements below MDL
Zinc	mg/L	0.03	0.005	0.01	0.008	9	0	No	Maximum < Ecological guideline
Zirconium	mg/L	--	0.001	<0.0002	<0.0002	9	0	No	All measurements below MDL

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 1999c, water quality guideline for the protection of aquatic life (freshwater);
2 – Ontario Provincial Water Quality Objective (OMOEE 1994); interim value and should be used with caution;
3 – BCMOE working or approved water guidelines 2016;
4 – U.S. EPA 2015, Region 4 supplemental risk assessment guidance, surface water screening values, chronic, Table 1a;
5 – B.C. Reg. 375/96, Aquatic Life, freshwater; Mn is irrigation (BC 1996);
6 – Guideline is for trivalent chromium;
7 – Based on water hardness of less than 82 mg/L $CaCO_3$ (copper) and less than 60 mg/L $CaCO_3$ (lead, nickel).

Table 15: ERA Surface Water COC Screen – PAHs – Campsite Area Lake (AEC 1)

Contaminant	Units	CCME (Protection of Freshwater Life) [1]	Maximum Concentration	N	N > CCME	COC for Ecological Health?	Rationale
1+2-Methylnaphthalene	mg/L	-	<0.000015	11	0	No	All measurements below MDL
1-Methylnaphthalene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
2-Methylnaphthalene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Acenaphthene	mg/L	0.0058	<0.00001	11	0	No	All measurements below MDL
Acenaphthylene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Acridine	mg/L	0.0044	<0.00001	11	0	No	All measurements below MDL
Anthracene	mg/L	0.000012	<0.00001	11	0	No	All measurements below MDL
Benz[a]anthracene	mg/L	0.000018	<0.00001	11	0	No	All measurements below MDL
Benzo[a]pyrene	mg/L	0.000015	<0.000005	11	0	No	All measurements below MDL
Benzo[b,j,k]fluoranthene	mg/L	-	<0.000015	11	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Benzo[e]pyrene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Benzo[g,h,i]perylene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Benzo[k]fluoranthene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Chrysene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Dibenz[a,h]anthracene	mg/L	-	<0.000005	11	0	No	All measurements below MDL
Fluoranthene	mg/L	0.00004	<0.00001	11	0	No	All measurements below MDL
Fluorene	mg/L	0.003	<0.00001	11	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Naphthalene	mg/L	0.0011	<0.00001	11	0	No	All measurements below MDL
Perylene	mg/L	-	<0.00001	11	0	No	All measurements below MDL
Phenanthrene	mg/L	0.0004	<0.00001	11	0	No	All measurements below MDL
Pyrene	mg/L	0.000025	<0.00001	11	0	No	All measurements below MDL
Quinoline	mg/L	0.0034	<0.000127	11	0	No	All measurements below MDL

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 1999c, water quality guideline for the protection of aquatic life (freshwater).

Table 16: ERA Surface Water COC Screen – PAHs – Drinking Water Lake (AEC 5)

Contaminant	Units	CCME (Protection of Freshwater Life) [1]	Maximum Concentration	N	N > CCME	COC for Ecological Health?	Rationale
1+2-Methylnaphthalene	mg/L	-	<0.000015	6	0	No	All measurements below MDL
1-Methylnaphthalene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
2-Methylnaphthalene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Acenaphthene	mg/L	0.0058	<0.00001	6	0	No	All measurements below MDL
Acenaphthylene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Acridine	mg/L	0.0044	<0.00001	6	0	No	All measurements below MDL
Anthracene	mg/L	0.000012	<0.00001	6	0	No	All measurements below MDL
Benz[a]anthracene	mg/L	0.000018	<0.00001	6	0	No	All measurements below MDL
Benzo[a]pyrene	mg/L	0.000015	<0.000005	6	0	No	All measurements below MDL
Benzo[b,j,k]fluoranthene	mg/L	-	<0.000015	6	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Benzo[e]pyrene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Benzo[g,h,i]perylene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Benzo[k]fluoranthene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Chrysene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Dibenz[a,h]anthracene	mg/L	-	<0.000005	6	0	No	All measurements below MDL
Fluoranthene	mg/L	0.00004	<0.00001	6	0	No	All measurements below MDL
Fluorene	mg/L	0.003	<0.00001	6	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Naphthalene	mg/L	0.0011	<0.00001	6	0	No	All measurements below MDL
Perylene	mg/L	-	<0.00001	6	0	No	All measurements below MDL
Phenanthrene	mg/L	0.0004	<0.00001	6	0	No	All measurements below MDL
Pyrene	mg/L	0.000025	<0.00001	6	0	No	All measurements below MDL
Quinoline	mg/L	0.0034	<0.000014	6	0	No	All measurements below MDL

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 1999c, water quality guideline for the protection of aquatic life (freshwater).

4.2.1.3 Sediment

The sediment screening process is summarized for metals in Table 17 (AEC 1) and Table 18 (AEC 5) and for PAHs in Table 19 (AEC 1) and Table 20 (AEC 5). For the screening process the CCME (1999b) Interim Sediment Quality Guidelines (ISQGs) were used as the screening criteria. In the absence of ISQGs available sediment criteria from other jurisdictions were used as indicated in the footnotes to Table 17. As seen in Table 17 and Table 19, sediment criteria do not exist for a number of contaminants. Contaminants for which sediment screening criteria were not available will be discussed qualitatively.

For metals in the Campsite Area Pond (AEC 1; Table 17), a comparison to the MDL indicated that boron, chromium (hexavalent), lithium, silver, sodium, thallium, and tungsten had all measurements less than the MDL and were not considered further. Samples of beryllium, bismuth, and tin were all below the MDL except at one location. There are no guidelines for these three contaminants and a localized exceedance will not result in benthic communities in the Campsite Area Pond experiencing any effects and therefore beryllium, bismuth, and tin were not considered further.

A comparison to background measurements indicated that average concentrations of titanium, strontium and sulphur were similar to background. In addition, all measured concentrations of barium, phosphorous, and zirconium were similar to background with the exception of one location and thus were not considered further.

Maximum measured levels of aluminum, arsenic, cadmium, chromium, cobalt, manganese, mercury, molybdenum, nickel, selenium, uranium and zinc were below the applicable sediment benchmark and not considered to represent a risk. In addition, all PAH concentrations (see Table 19) were below guidelines or MDLs. Maximum concentrations of antimony, copper, iron, and lead exceed sediment criteria; some of these contaminants are further discussed in the bullet points below.

- Antimony: There are 3 samples out of 13 samples that exceed the antimony sediment guideline. These samples are all located in the area of PS30 (where batteries are present) which is a very localized area in the inlet stream to the Campsite Area Pond. All other samples in the Campsite Area Pond are either below the MDL or below the guideline. The localized area around PS30 will not result in benthic communities in the Campsite Area Pond being affected, thus **antimony is not considered to be a COC in sediment**.
- Copper: Only 1 sample out of 13 samples exceed the sediment guideline (ISQG) for copper and this is at PS30 where batteries are present) which is a very localized area in the inlet stream to the Campsite Area Pond. The concentration is just above the guideline (36.2 mg/kg vs. a guideline value of 35.7 mg/kg). The localized area will not

result in benthic communities in the Campsite Area Pond being affected as concentrations are below the guideline in these areas, thus **copper is not considered to be a COC in sediment**.

- Iron: There is 1 out of 40 samples that exceed the sediment guideline for iron and this is a SED6 which is in the inlet stream to Campsite Area Pond. This is a very localized area outside of the Campsite Area Pond and thus benthic communities in the pond will not experience adverse effects from the present of iron in the sediments in the inlet of the pond. **Thus, iron is not considered to be a COC in sediment.**

Thus, only lead was considered to be a COC in the sediment of the Campsite Area Pond (AEC 1).

For the Drinking Water Lake in AEC 5 (Table 18 and Table 20), all maximum measured concentrations were below guidelines or the MDLS. Average concentrations were similar to background concentrations in the absence of guidelines. Thus, no COCs were identified in sediments in Drinking Water Lake.

Table 17: ERA Sediment COC Screen – Metals – Campsite Area Lake (AEC 1)

Contaminant	Units	CCME FW SED – ISQG [1]	Average Concentration		Maximum Concentration[7]	N	N > ISQG	COC for Eco?	Rationale
			Back-ground	AEC 1					
Aluminum	mg/kg	25000 [2]	794	1760	9080	13	0	No	Maximum < Ecological guideline
Antimony	mg/kg	25 [3]	<0.1	69	254	13	3	**Yes**	**Maximum > Ecological guideline**
Arsenic	mg/kg	5.9	0.32	2.0	5.2	13	0	No	Maximum < Ecological guideline
Barium	mg/kg	--	4.1	9.0	51	13	0	No	All samples at background concentrations with the exception of 1 sample at SED 6
Beryllium	mg/kg	--	<0.1	0.33	0.76	13	0	No	All samples at background concentrations with the exception of 1 sample at SED 6
Bismuth	mg/kg	--	<0.2	0.26	0.31	13	0	No	All samples below the MDL of 0.2 mg/kg with the exception of PS30 Step 1 and 2 where MDL was 4 mg/kg
Boron	mg/kg	--	<5	<5	<5	13	0	No	All measurements below MDL
Boron, hot water soluble	mg/kg	--	0.19	0.24	0.24	13	0	No	Boron not identified as concern as all measurements below MDL
Cadmium	mg/kg	0.6	<0.02	0.15	0.20	13	0	No	Maximum < Ecological guideline
Calcium	mg/kg	--	221	278	930	13	0	No	Component of earth's crust
Chromium	mg/kg	37.3	1.0	1.8	6.0	13	0	No	Maximum < Ecological guideline
Chromium (hexavalent)	mg/kg	--	<0.1	<0.1	<0.1	13	0	No	All measurements below MDL
Cobalt	mg/kg	50 [4]	0.42	0.78	4.1	13	0	No	Maximum < Ecological guideline
Copper	mg/kg	35.7	<0.5	13.7	36	13	1	**Yes**	**Maximum > Ecological guideline**
Iron	mg/kg	20000 [5]	2020	13698	120000	13	1	**Yes**	**Maximum > Ecological guideline**
Lead	mg/kg	35	0.82	1604	7540	13	6	**Yes**	**Maximum > Ecological guideline**
Lithium	mg/kg	--	<2	<2	<2	13	0	No	All measurements below MDL
Magnesium	mg/kg	--	385	439	635	13	0	No	Component of earth's crust
Manganese	mg/kg	460 [5]	17	27	126	13	0	No	Maximum < Ecological guideline
Mercury	mg/kg	0.17	<0.005	0.02	0.07	13	0	No	Maximum < Ecological guideline
Molybdenum	mg/kg	13.8 [6]	<0.1	0.27	0.56	13	0	No	Maximum < Ecological guideline
Nickel	mg/kg	16 [5]	0.61	1.4	4.4	13	0	No	Maximum < Ecological guideline
Phosphorus	mg/kg	--	58	115	267	13	0	No	All samples similar to background except at PS30 and SED 6
Potassium	mg/kg	--	135	173	470	13	0	No	Component of earth's crust

Contaminant	Units	CCME FW SED – ISQG [1]	Average Concentration		Maximum Concentration[7]	N	N > ISQG	COC for Eco?	Rationale
			Back-ground	AEC 1					
Selenium	mg/kg	2 [3]	<0.2	0.64	0.64	13	0	No	Maximum < Ecological guideline
Silver	mg/kg	0.5 [4]	<0.1	<0.1	<0.1	13	0	No	All measurements below MDL
Sodium	mg/kg	--	<50	<50	<50	13	0	No	All measurements below MDL
Strontium	mg/kg	--	5.1	6.4	9.6	13	0	No	Average similar to background
Sulphur	mg/kg	--	<1000	1100	1100	13	0	No	Average similar to background
Thallium	mg/kg	--	<0.05	<0.05	<0.05	13	0	No	All measurements below MDL
Tin	mg/kg	--	<0.05	3.3	4.2	13	0	No	All samples below the MDL except at PS30 STEP 1,2 and 3 samples where there is a high detection limit of 40 mg/kg
Titanium	mg/kg	--	65	73	113	13	0	No	Average similar to background
Tungsten	mg/kg	--	<0.5	<0.5	<0.5	13	0	No	All measurements below MDL
Uranium	mg/kg	100 [2]	0.16	0.30	1.4	13	0	No	Maximum < Ecological guideline
Vanadium	mg/kg	--	2.7	6.9	36	13	0	No	No associated with Site activities
Zinc	mg/kg	123	3.4	7.0	19	13	0	No	Maximum < Ecological guideline
Zirconium	mg/kg	-	<1	3.3	3.3	13	0	No	All samples at background concentrations with the exception of 1 sample at SED 6

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 1999b, interim sediment quality guideline (ISQG) for the protection of aquatic life;
2 – U.S. EPA 2015, Region 4 Soil and Freshwater Sediment Screening Benchmarks;
3 – NSE 2014, freshwater sediment;
4 – MOE 2011, Table 1 Full Depth Background Site Condition Standards Ground Water Condition;
5 – MOE 2008, lowest effect level sediment quality guideline (Table 1);
6 – Thompson et al. (2005) Lowest Effects Level;
7 – Elevated method detection limit (MDL) from three samples from PS30 in August 2022 not considered.

Table 18: ERA Sediment COC Screen – Metals – Drinking Water Lake (AEC 5)

Contaminant	Units	CCME FW SED – ISQG[1]	Average Concentration		Maximum Concentration	N	N > ISQG	COC for Eco?	Rationale
			Back-ground	AEC 5					
Aluminum	mg/kg	25000[2]	794	790	901	6	0	No	Maximum < Ecological guideline
Antimony	mg/kg	25[3]	<0.1	<0.1	<0.1	6	0	No	All measurements below MDL
Arsenic	mg/kg	5.9	0.32	0.33	0.41	6	0	No	Maximum < Ecological guideline
Barium	mg/kg	--	4.1	3.3	3.7	6	0	No	Below background
Beryllium	mg/kg	--	<0.1	<0.1	<0.1	6	0	No	All measurements below MDL
Bismuth	mg/kg	--	<0.2	<0.2	<0.2	6	0	No	All measurements below MDL
Boron	mg/kg	--	<5	<5	<5	6	0	No	All measurements below MDL
Boron, hot water soluble	mg/kg	--	0.19	<0.1	<0.1	6	0	No	All measurements below MDL
Cadmium	mg/kg	0.6	<0.02	<0.02	<0.02	6	0	No	All measurements below MDL
Calcium	mg/kg	--	221	185	206	6	0	No	Component of earth's crust
Chromium	mg/kg	37.3	1.0	0.87	1.0	6	0	No	Maximum < Ecological guideline
Chromium (hexavalent)	mg/kg	--	<0.1	<0.1	<0.1	6	0	No	All measurements below MDL
Cobalt	mg/kg	50[4]	0.42	0.32	0.37	6	0	No	Maximum < Ecological guideline
Copper	mg/kg	35.7	<0.5	<0.5	<0.5	6	0	No	All measurements below MDL
Iron	mg/kg	20000[5]	2020	1505	1890	6	0	No	Maximum > Ecological guideline
Lead	mg/kg	35	0.82	0.81	0.90	6	0	No	Maximum > Ecological guideline
Lithium	mg/kg	--	<2	<2	<2	6	0	No	All measurements below MDL
Magnesium	mg/kg	--	385	365	417	6	0	No	Component of earth's crust
Manganese	mg/kg	460[5]	17	14	23	6	0	No	Maximum < Ecological guideline
Mercury	mg/kg	0.17	<0.005	<0.005	<0.005	6	0	No	All measurements below MDL
Molybdenum	mg/kg	13.8[6]	<0.1	<0.1	<0.1	6	0	No	All measurements below MDL
Nickel	mg/kg	16[5]	0.61	<0.5	<0.5	6	0	No	All measurements below MDL
Phosphorus	mg/kg	--	58	<50	<50	6	0	No	All measurements below MDL
Potassium	mg/kg	--	135	118	140	6	0	No	Component of earth's crust
Selenium	mg/kg	2[3]	<0.2	<0.2	<0.2	6	0	No	All measurements below MDL
Silver	mg/kg	0.5[4]	<0.1	<0.1	<0.1	6	0	No	All measurements below MDL
Sodium	mg/kg	--	<50	<50	<50	6	0	No	All measurements below MDL
Strontium	mg/kg	--	5.1	6.0	7.3	6	0	No	Not associated with Site activities
Sulphur	mg/kg	--	<1000	<1000	<1000	6	0	No	All measurements below MDL
Thallium	mg/kg	--	<0.05	<0.05	<0.05	6	0	No	All measurements below MDL
Tin	mg/kg	--	<0.05	<2	<2	6	0	No	All measurements below MDL
Titanium	mg/kg	--	65	56	75	6	0	No	Average below background
Tungsten	mg/kg	--	<0.5	<0.5	<0.5	6	0	No	All measurements below MDL

Contaminant	Units	CCME FW SED – ISQG[1]	Average Concentration		Maximum Concentration	N	N > ISQG	COC for Eco?	Rationale
			Back-ground	AEC 5					
Uranium	mg/kg	100[2]	0.16	0.11	0.13	6	0	No	Maximum < Ecological guideline
Vanadium	mg/kg	--	2.7	2.3	2.8	6	0	No	Similar to background
Zinc	mg/kg	123	3.4	2.3	2.7	6	0	No	Maximum < Ecological guideline
Zirconium	mg/kg	-	<1	<1	<1	6	0	No	All measurements below MDL

Notes: Average and maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME 1999b, interim sediment quality guideline (ISQG) for the protection of aquatic life;
2 – U.S. EPA 2015, Region 4 Soil and Freshwater Sediment Screening Benchmarks;
3 – NSE 2014, freshwater sediment;
4 – MOE 2011, Table 1 Full Depth Background Site Condition Standards Ground Water Condition;
5 – MOE 2008, lowest effect level sediment quality guideline (Table 1);
6 – Thompson et al. (2005) Lowest Effects Level.

Table 19: ERA Sediment COC Screen – PAHs – Campsite Area Pond (AEC 1)

Contaminant	Units	CCME FW SED – ISQG[1]	Maximum Concentration	N	N > ISQG	COC for Eco?	Rationale
1+2-Methylnaphthalene	mg/kg	--	<0.0141	9	0	No	All measurements below MDL
1-Methylnaphthalene	mg/kg	0.0202	<0.01	9	0	No	All measurements below MDL
2-Methylnaphthalene	mg/kg	0.0202	<0.01	9	0	No	All measurements below MDL
Acenaphthene	mg/kg	0.00671	<0.01	9	0	No	All measurements below MDL
Acenaphthylene	mg/kg	0.00587	<0.01	9	0	No	All measurements below MDL
Acridine	mg/kg	--	<0.01	9	0	No	All measurements below MDL
Anthracene	mg/kg	0.0469	<0.01	9	0	No	All measurements below MDL
Benz[a]anthracene	mg/kg	0.0317	<0.025	9	0	No	All measurements below MDL
Benzo[a]pyrene	mg/kg	0.0319	<0.01	9	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/kg	--	0.011	9	0	No	Heavily censored (8 of 9 samples below MDL)
Benzo[e]pyrene	mg/kg	--	<0.01	9	0	No	All measurements below MDL
Benzo[g,h,i]perylene	mg/kg	0.02	0.0112	9	0	No	Maximum < Ecological guideline
Benzo[k]fluoranthene	mg/kg	--	<0.01	9	0	No	All measurements below MDL
Chrysene	mg/kg	0.0571	<0.01	9	0	No	All measurements below MDL
Dibenz[a,h]anthracene	mg/kg	0.00622	<0.01	9	0	No	All measurements below MDL
Fluoranthene	mg/kg	0.111	<0.01	9	0	No	All measurements below MDL
Fluorene	mg/kg	0.0212	<0.01	9	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/kg	0.02	<0.01	9	0	No	All measurements below MDL
Naphthalene	mg/kg	0.0346	<0.01	9	0	No	All measurements below MDL
Perylene	mg/kg	--	<0.01	9	0	No	All measurements below MDL
Phenanthrene	mg/kg	0.0419	<0.01	9	0	No	All measurements below MDL
Pyrene	mg/kg	0.053	<0.01	9	0	No	All measurements below MDL
Quinoline	mg/kg	--	<0.01	9	0	No	All measurements below MDL

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME interim sediment quality guideline (ISQG) for the protection of aquatic life.

Table 20: ERA Sediment COC Screen – PAHs – Drinking Water Lake (AEC 5)

Contaminant	Units	CCME FW SED – ISQG[1]	Maximum Concentration	N	N > ISQG	COC for Eco?	Rationale
1+2-Methylnaphthalene	mg/kg	--	<0.0075	6	0	No	All measurements below MDL
1-Methylnaphthalene	mg/kg	0.0202	<0.005	6	0	No	All measurements below MDL
2-Methylnaphthalene	mg/kg	0.0202	<0.005	6	0	No	All measurements below MDL
Acenaphthene	mg/kg	0.00671	<0.005	6	0	No	All measurements below MDL
Acenaphthylene	mg/kg	0.00587	<0.005	6	0	No	All measurements below MDL
Acridine	mg/kg	--	<0.01	6	0	No	All measurements below MDL
Anthracene	mg/kg	0.0469	<0.004	6	0	No	All measurements below MDL
Benz[a]anthracene	mg/kg	0.0317	<0.01	6	0	No	All measurements below MDL
Benzo[a]pyrene	mg/kg	0.0319	<0.005	6	0	No	All measurements below MDL
Benzo[b,j]fluoranthene	mg/kg	--	<0.01	6	0	No	All measurements below MDL
Benzo[e]pyrene	mg/kg	--	<0.01	6	0	No	All measurements below MDL
Benzo[g,h,i]perylene	mg/kg	0.02	<0.005	6	0	No	All measurements below MDL
Benzo[k]fluoranthene	mg/kg	--	<0.01	6	0	No	All measurements below MDL
Chrysene	mg/kg	0.0571	<0.01	6	0	No	All measurements below MDL
Dibenz[a,h]anthracene	mg/kg	0.00622	<0.005	6	0	No	All measurements below MDL
Fluoranthene	mg/kg	0.111	<0.005	6	0	No	All measurements below MDL
Fluorene	mg/kg	0.0212	<0.005	6	0	No	All measurements below MDL
Indeno[1,2,3-c,d]pyrene	mg/kg	0.02	<0.01	6	0	No	All measurements below MDL
Naphthalene	mg/kg	0.0346	<0.005	6	0	No	All measurements below MDL
Perylene	mg/kg	--	<0.01	6	0	No	All measurements below MDL
Phenanthrene	mg/kg	0.0419	<0.005	6	0	No	All measurements below MDL
Pyrene	mg/kg	0.053	<0.005	6	0	No	All measurements below MDL
Quinoline	mg/kg	--	<0.005	6	0	No	All measurements below MDL

Notes: Maximum evaluated excluding values below method detection limit (<MDL) except where all N < MDL;
1 – CCME interim sediment quality guideline (ISQG) for the protection of aquatic life.

4.2.1.4 Summary

A summary of the COCs selected for evaluation in the ERA is presented below in Table 21.

Table 21: Summary of COCs Selected for the ERA

COC	Soil	Surface Water	Sediment
Iron		✓ (Campsite Area Pond)	
Lead		✓ (Campsite Area Pond)	✓ (Campsite Area Pond)
PHC F1	✓		
PHC F2	✓		
PHC F3	✓		
PHC F4	✓		

4.2.2 Receptors of Concern

Ecological receptors are ecological entities exposed to a COC. This term may refer to plants and animals (including endangered and threatened species), habitats, or ecosystems. Thus, an ERA evaluates one or more of the following groups of ecological receptors, depending on the types of animals that are likely to be present at the Site:

- Aquatic community receptors: Fish, benthic invertebrates, plankton, aquatic plants;
- Semi-aquatic receptors: Amphibians, birds (piscivorous, herbivorous, insectivorous, omnivorous), mammals (piscivorous, herbivorous, insectivorous, omnivorous), plants;
- Terrestrial receptors: Insects (e.g., pollinators such as honeybees), small mammals, large mammals, birds, soil organisms (plants, soil invertebrates, soil microbes).

It is neither practical, nor necessary, to individually assess each wildlife species that may potentially occupy, visit, or live near areas impacted by the Site. Instead, a subset of terrestrial and aquatic wildlife receptors of concern (ROC) that may experience a range of possible exposures were selected by focusing on receptors that are:

- Indigenous to the area and would potentially be exposed to COCs associated with the Site;
- most likely to receive the greatest exposure to COCs due to their habitat, behavioural traits, and home range;
- representative of various levels in the trophic web (e.g., carnivore, herbivore, insectivore);
- potentially at risk because they have been classified as being rare or endangered (i.e., species of conservation concern); and
- culturally important.

4.2.2.1 Species at Risk

There are 28 non-marine animal and plant SAR known to be present in the Nunavut (Appendix A; Ecofor 2022). There are nine SAR potentially present within the study area, comprised of one insect, four birds, and four mammals. The following information was obtained from the *Species at Risk Receptor Identification and Habitat Assessment* report (Ecofor 2022). Original references and citations can be found in the source report.

Harris's sparrows (*Zonotrichia querula)* are listed as a species of *Special Concern* by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) but are not listed under the Species at Risk Act (SARA). They breed along the treeline of northern Canada and migrate to the United States for the winter. Nesting habitat usually includes more densely vegetated areas in Nunavut. Though the likelihood of nesting on the Site is low, the study area provides suitable foraging habitat for Harris's sparrows. They have a general diet of seeds, berries, terrestrial and flying insects that they eat from the ground.

Lesser yellowlegs (*Tringa flavipes)* are listed as *Threatened* by COSEWIC but are not listed under SARA. They spend the summer season breeding and foraging along the shorelines of wetlands in northern Canada. Lesser yellowlegs migrate to South America in the winter where mortality and habitat loss has a significant impact on the species. The study area is on the northern boundary of the species' breeding range. Lesser yellowlegs use their long sharp bill to prey on aquatic insects and larvae in the substrate of wetlands as they wade through the shallow water. They typically nest on the dry ground within a few hundred meters of a wetland.

Red-necked phalaropes (*Phalaropus lobatus)* are listed as a species of *Special Concern* by COSEWIC but are not listed under SARA. Red-necked phalarope have sufficiently specialized habitats that they are likely to nest in the same habitat patch each year, if present in the study area. The study area is within the breeding range of red-necked phalarope. Red-necked phalaropes breed in wetlands or in vegetation near other sources of freshwater. Their home ranges are dominated by grasses and sedges, emergent aquatic vegetation, and open freshwater. Red-necked phalarope nests on the edge of natural and anthropogenic ponds, where there are abundant insects on the surface of the water to feed on. They feed on invertebrates in ponds and wetlands.

Short-eared owls (*Asio flammeus)* are listed as a species of *Special Concern* by COSEWIC and under SARA. The study area is on the northern boundary of the historical range and habitat of the short-eared owl. They breed in a variety of open native and man-made habitats, and feed on small rodents and birds. The small mammals in the study area make the Site suitable foraging habitat for short-eared owls. Nesting habitat in tundra areas usually occurs where vegetation is dense, where short-eared owls build a simple nest on the ground.

There are four mammal species at risk that potentially occur in the study area. Barren-ground caribou (*Rangifer tarandus groendlandicus)* and bear tracks were observed in the study area in 2022. Mammal SAR may only move through the Site and are generally unlikely to remain in the area long enough to acquire significant amounts of contaminants.

Barren-ground caribou are listed as *Threatened* by COSEWIC but are not listed under the SARA. They roam over Nunavut, and likely occasionally pass through the study area. The study area is within the Wager Bay, Eastern Kitikmeot, and Beverly caribou herd home ranges (Campbell et al. 2012). Caribou signs (i.e., bones) were observed during a field visit to the Site in 2022. The study area has forage value for caribou as they migrate through their home range. Caribou are most likely to frequent the study area during the post-calving period (June 26 – July 31) and fall rut period (September 16 – November 7). Barren-ground caribou tend to migrate further south during the summer and north to the Arctic coast to calve. They forage on vegetation and may drink water from the wetlands at the Site.

Grizzly bears (*Ursus arctos)* are listed as a species of *Special Concern* by COSEWIC but are not listed under the SARA. The low-density range and new expansion of range overlaps with the study area. Bear tracks (most likely of grizzly bears) was noted during the Site visit in 2022, though species identification was not confirmed. The study area provides suitable habitat for grizzly bears in the spring and summer seasons (March 1 – July 31). Grizzlies tend to migrate further south and west in the late summer to their winter denning areas. During the winter, they hibernate within their dens to survive the winter's harsh weather and lack of food. As opportunistic omnivores, grizzly bears forage on sedges in the spring, forbs and mammals (e.g., ground squirrels, caribou) in the summer, and berries and salmon in the fall.

Polar bears (*Ursus maritimus)* are listed as a species of *Special Concern* by COSEWIC and under SARA. The study area is on the southern border of the species' range, for bears forced inland due to loss of sea ice in the summer season. Polar bear habitat is typically dependent on prey (e.g., seals) availability and consolidated pack ice. The study area occurs within the home range of the M'Clintock Channel subpopulation. Bear tracks were noted during the Site visit in 2022, though species identification was not confirmed. The polar bears that are forced inland during the open-water season have been known to eat berries, waterfowl eggs and young, and caribou.

Wolverines (*Gulo gulo)* are listed as a species of *Special Concern* by COSEWIC and under SARA. Wolverines roam Nunavut in search for prey species (e.g., ground squirrel, snowshoe hare) and carcasses of large mammals. Female wolverines construct den sites in talus boulders, along eskers, under debris, or in snow tunnels in the arctic tundra. The substrate throughout the study area may provide suitable denning habitat for wolverines. Though open tundra and disturbed areas are not frequently visited by wolverines, ungulate carrion presence may lure wolverines out of the dense vegetation.

As petroleum hydrocarbons are the only COC identified in soil at the Site and they do not transfer up the food chain, no SAR are considered to be at risk from exposure at the Site.

4.2.2.2 Aquatic Environment

Lead and iron have been identified as COCs in the surface water in the inlet to the Campsite Area Pond and only lead has been identified as a COC for sediment in a localized area in the Campsite Area Pond. Thus, the evaluation in the aquatic environment considered the aquatic community and the benthic invertebrate community as seen in Table 22. No other receptors were selected due to the localized area of the contamination.

Table 22: Ecological Receptors Selected for the Aquatic Environment

Aquatic Receptor Group	Aquatic Receptor Type	Selected Receptor
Aquatic Community in Water column	Aquatic community	Aquatic community including aquatic plants, invertebrates in the water column, fish, and amphibians through use of a Species sensitivity distribution curve.
Benthic Invertebrates	Benthos Community	Benthic Invertebrate Infaunal Community

4.2.2.3 Terrestrial Environment

Petroleum hydrocarbons are the only COCs that have been identified in the soil at the Site and they are not known to transfer up the food web. Therefore, only vegetation is considered to be a receptor of concern at the Site. Table 23 summarizes the ecological receptors selected for the terrestrial environment.

Table 23: Ecological Receptors Selected for the Terrestrial Environment

Terrestrial Receptor Group	Terrestrial Receptor Type	Selected Receptor
Vegetation	Vegetation Community	Vegetation Community

4.2.3 Exposure Pathways

The ecological receptors selected cover a range of diets and trophic levels.

Table 24 summarizes the pathways of exposure that are considered for each of the receptors. As seen from the table, the ERA is essentially a comparison of toxicity benchmarks in the soil, water and sediment to measured concentrations. No food web calculations are completed as those pathways of exposure were not considered complete.

Table 24: Exposure Pathways for the Selected Receptors

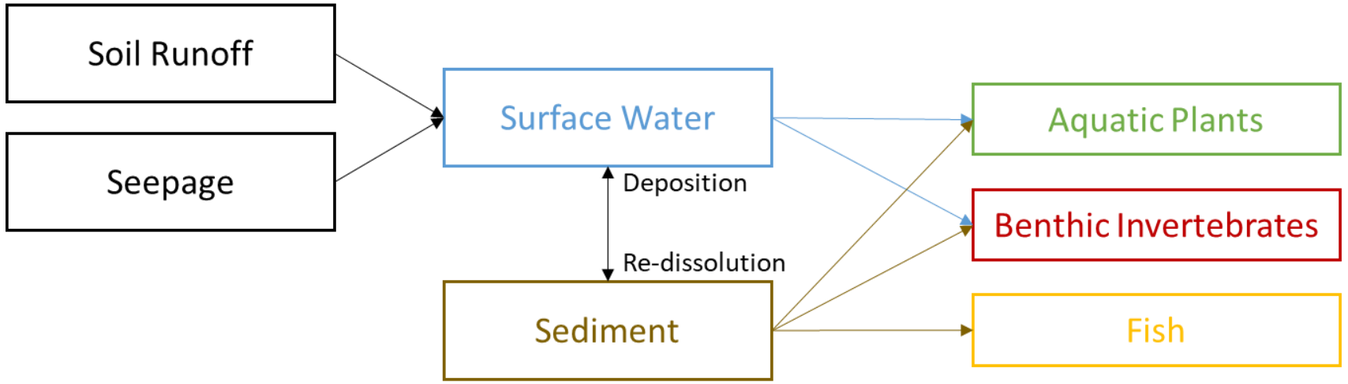
Group	Receptor	Direct Contact (water)	Direct Contact (sediment or soil)	Water Ingestion	Sediment Ingestion	Soil Ingestion	Ingestion of Food
Water column organisms	Aquatic Community	✓					
		✓					
Benthic invertebrates	Benthic invertebrate community	●	✓				
Vegetation	Vegetation community		✓				
Fish	Fish community	✓			●		●

Notes:
Direct contact with water includes absorption and uptake across surface membranes/gills, ingestion, as well as indirect pathways such as food.
Direct contact with sediment includes absorption and uptake across surface membranes, ingestion, as well as indirect pathways such as food.
● Pathway of exposure implicitly included in the assessment.
✓ Pathway of exposure explicitly included in the assessment.

4.2.4 Conceptual Site Model

The ERA conceptual site model (CSM) provides a visual representation of the different pathways that are being evaluated in the ERA as well as the ways that the COCs move from the soil, sediment, and water and are taken up by plants, fish, and other animals. The CSM for the aquatic environment is provided in Figure 9 and for the terrestrial environment in Figure 10.

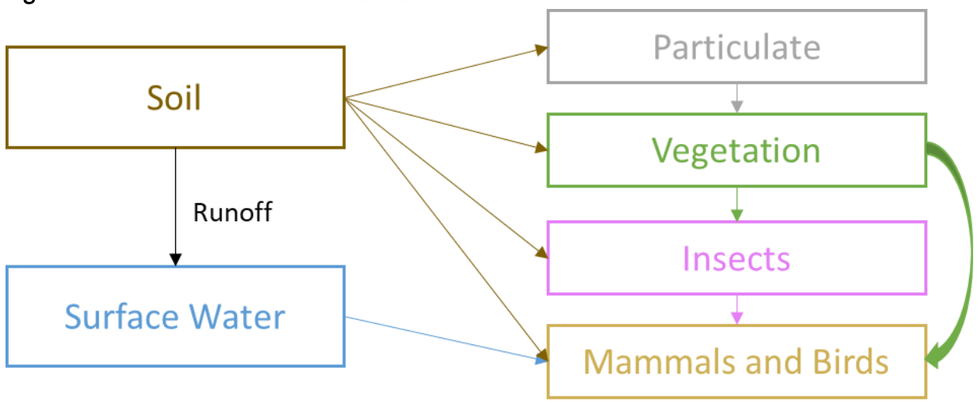
Figure 9: CSM for ERA – Aquatic Environment



Exposure Pathway	Water Column Community[a]	Benthic Invertebrates
Ingestion (surface water)	●	●
Dermal contact/ uptake (surface water)	✓	●
Ingestion (aquatic plants)	--	--
Ingestion (benthic invertebrates)	--	--
Ingestion (fish)	--	--
Ingestion (sediment)	--	●
Dermal contact / uptake (sediment)	--	✓

[a] Includes aquatic plants, fish, and other aquatic biota
✓ Potential pathway of exposure (included in assessment)
● Implicitly included in other pathways
-- Not a potential exposure pathway for this receptor

Figure 10: CSM for ERA – Terrestrial Environment



Exposure Pathway	Terrestrial Vegetation	Herbivorous Birds and Mammals	Insectivorous Birds and Mammals	Carnivorous Birds	Omnivorous Birds
Incidental ingestion (soil)	--	o	o	o	o
Dermal contact/ uptake (soil)	✓	o	o	o	o
Ingestion (vegetation)	--	o	o	o	o
Ingestion (insects)	--	--	o	--	o
Ingestion (mammals/birds)	--	--	--	o	--
Ingestion (surface water)	--	--	--	--	--

✓ Potential pathway of exposure (quantitatively evaluated in assessment)
o Potential pathway of exposure (qualitatively evaluated in assessment through screening process)
-- Not a potential exposure pathway for this receptor

4.3 ERA Design and Strategy

The design and strategy of the ERA is based on FCSAP guidance (FCSAP 2012). This section provides details on the protection goals, assessment endpoints, acceptable effect levels, measurement endpoints, lines of evidence applied in the ERA.

4.3.1 Protection Goals

Protection goals define the degree of protection desired for each ROC. The level of protection may be for individual organisms, populations (i.e., groups of individuals), or communities (i.e., groups of populations). Higher trophic levels have protection goals aimed at protecting populations, whereas lower trophic levels are aimed at protecting the community and its associated ecological function. Species of particular conservation or recreational value often warrant a higher level of protection. For example, the *Species at Risk Act* requires protection of individual organisms if they are SAR. The protection goals for this ERA include the following:

- For primary producers and invertebrates: maintain healthy and functional communities with only minimal changes to the reference conditions;
- For terrestrial wildlife (mammals and birds): ensure healthy and reproducing local populations; and,
- For SAR: ensure healthy and reproducing local individuals.

For the terrestrial wildlife and SAR, the measured concentrations of contaminants in the soil are all below soil quality guidelines and therefore do not represent a risk to populations of wildlife or individual SAR. For PHCs in soil, wildlife and SAR are not at risk and the assessment is focussed on vegetation as there is no transfer up the food web.

4.3.2 Assessment and Measurement Endpoints

For this ERA, specific protection goals have not been established. The assessment focusses on assessing the risk of potential adverse effects to ecological receptors to be used in the decision-making process for the remedial actions at the Site as appropriate.

To determine the ecological significance of exposure to a COC, ecological endpoints need to be selected. These endpoints are characteristics of an ecological component (such as fish mortality) that may be affected by exposure to a given constituent (Suter 1993; U.S. EPA 1992). There are two types of endpoints: assessment and measurement (Table 25). Assessment endpoints are explicit expressions of actual environmental values to be protected (FCSAP 2012; U.S. EPA 1992). The assessment endpoints for this ERA include:

- maintenance of the health and ecological integrity of the benthic invertebrate community in various waterbodies across the Site;
- maintenance of the health and ecological integrity of water column organisms in in various waterbodies across the Site;
- maintenance of the health and ecological integrity of the fish populations in various waterbodies across the Site; and
- maintenance of the health and ecological integrity of the vegetation community across the Site.

Table 25: Summary of Assessment and Measurement Endpoints

Assessment Endpoint	Line of Evidence	Measurement Endpoint
Maintenance of the health and ecological integrity of the benthic invertebrate community.	Sediment Chemistry	Sediment chemistry in Campsite Area Pond and Drinking Water Lake was compared to available sediment toxicity benchmarks.
Maintenance of the health and ecological integrity of the water column organisms.	Water Chemistry	Water chemistry is compared to toxicity benchmarks that are based on endpoints such as growth, survival, and/or reproduction (generally using Species Sensitivity Distributions).
Maintenance of the health and ecological integrity of the fish populations.	Water Chemistry	Water chemistry is compared to toxicity benchmarks that are based on endpoints such as growth, survival, and/or reproduction (generally using Species Sensitivity Distributions).
Maintenance of the health and ecological integrity of vegetation communities on the Site.	Soil Chemistry	Soil chemistry is compared to the ecological toxicity values based on toxicological studies in plants and earthworms.
	Plant Tissue	Comparison of shrub and grass concentrations to phytotoxicity tissue values.

Due to the difficulty in measuring direct effects on assessment endpoints, "measurement endpoints" are adopted to provide a framework for the evaluation of predicted effects. A measurement endpoint is defined as "a quantitative summary of the results of a toxicity test, a biological study, or other activity intended to reveal the effects of a substance" (Suter 1993). A measurement endpoint is a parameter that measures or describes exposure of, or an effect on, a receptor of concern (FCSAP 2012). Different measurement endpoints were selected including:

- comparison of measured concentrations in water, sediment and soil to regulatory guidelines; and
- comparison of measured concentrations in environmental media (e.g., vegetation) to background and/or toxicity guidelines.

4.3.3 Lines of Evidence and Interpretation of Risks

Table 25 also provided a number of lines of evidence (LOEs) that have been used in the ERA. A LOE combines information on effect and exposure measures to express potential risk. The different LOEs that were used in the ERA are as follows: (1) soil chemistry, (2) vegetation chemistry, (3) sediment chemistry. The LOEs were considered in the weight-of-evidence process (FCSAP 2012).

4.4 Exposure Assessment

The evaluation of potential effects on aquatic biota (e.g., benthic invertebrates, fish, aquatic plants) relies on water and sediment concentrations to assess direct exposure, while terrestrial plants are evaluated based on soil concentrations as well as measured plant concentrations.

4.4.1 Exposure Point Concentrations

4.4.1.1 Soil Concentrations

For the evaluation of PHCs, the individual measured concentrations were compared to the soil quality guidelines which are protective of vegetation and presented in Table 31.

In AEC 2 (Campsite Area), there were 32 soil samples collected. Of these, only 3 samples had concentrations exceeding the guidelines. These samples and the measured concentrations are shown in Table 26. As seen from the table, 2 of the samples were at one location. One of the samples was shallow and the other at depth. The sample at depth does not represent an exposure pathway for vegetation.

Table 26: PHC Exceedances in AEC 2

COC	Unit	Camp 5-SS1 (0.2m – 0.3m)	Camp 5-SS2 (0.5m – 0.6m)	Camp 11-SS1 (0.2m – 0.3m)
PHC F2	mg/kg dw	2740	992	210
PHC F3	mg/kg dw	3060	517	512

In AEC 3, there were 32 soil samples collected, out of which only 3 had concentrations exceeding the guidelines. These samples and the measured concentrations are shown in Table 27. As seen from the table, the three samples were at 3 different locations in the area.

Table 27: PHC Exceedances in AEC 3

COC	Unit	Site 1-5-SS1 (0.2m – 0.3m)	Site 1-6-SS1 (0.2m – 0.3m)	Site 1-7-SS1 (0.2m – 0.3m)
PHC F3	mg/kg dw	4190	1890	2030
PHC F4	mg/kg dw	3030	2940	3550

In AEC 4, there were 45 soil samples collected, only 3 of which had concentrations exceeding the guidelines. These samples and the measured concentrations are shown in Table 28. As seen from the table, the three samples were at depth at 3 different locations in AEC 4.

Table 28: PHC Exceedances in AEC 4

COC	Unit	PS5-SS3 (0.8m – 0.9m)	PS11-SS3 (0.8m – 0.9m)	PS12-SS2 (0.5m – 0.6m)
PHC F1	mg/kg dw	532		
PHC F3	mg/kg dw		600	309

4.4.1.2 Surface Water Concentrations

Table 29 summarizes the surface water concentrations of iron and lead measured in the Campsite Area Pond (AEC 1). As seen from the table, the maximum lead concentrations in surface water occur at PS30, which is in the drainage channel leading into Campsite Area Pond, and the maximum iron concentration occurs at SW2.

Table 29: Surface Water Concentrations in AEC 1/Campsite Area Pond

COC	Unit	PS30	SW1	SW2	SW3	SW4	SW5	SW6	PW3	PW5
Iron	mg/L	0.47	0.53	26.9	1.4	2.65	7.34	17.4	1.09	1.55
Lead	mg/L	0.057	0.0018	0.00016	0.0097	0.014	<MDL	<MDL	0.006	0.005

4.4.1.3 Sediment Concentrations

Table 30 summarizes the sediment concentrations of lead measured in the Campsite Area Pond (AEC 1). As seen from the table, the maximum lead concentrations are in the area of PS30, which is in the drainage channel leading into Campsite Area Pond.

Table 30: Sediment Concentrations in AEC 1/Campsite Area Pond

COC	PS30	PS30 – STEP 1	PS30 – STEP 2	PS30 – STEP 3	SED5	SED6	PW3	PW5	SED1	SED2	SED3	SED4
Lead	4385	1740	7540	2720	60.2	14.8	0.97	0.95	0.84	1.26	3.53	3.62

Notes: Sediment concentrations are in mg/kg on a dry weight basis

4.5 EFFECTS ASSESSMENT

4.5.1 Effects Assessment Methods

The effects assessment provides the concentration (or intake) of a COC that is associated with an adverse effect. These concentrations or intakes (i.e., TRVs) represent the exposure that is considered to pose negligible risk of adverse effect for a given COC. This section discusses the TRVs that are used in this assessment.

4.5.1.1 Vegetation

Potential effects from exposure to PHCs in the soil for terrestrial biota were evaluated through comparison of measured concentrations in soil to the soil concentrations from ecological toxicity studies on plants and invertebrates based on soil contact using data from toxicity studies on plants. The toxicity studies were for plants such as grasses, rye, barley, lettuce and other species and different earthworm species which are not native to the Pelly Lake area. These values are presented below in Table 31 and are obtained from the CCME (2008).

Table 31: TRVs for Vegetation

COC	TRV (mg/kg soil)	Source
PHC F1	210	CCME 2008
PHC F2	150	CCME 2008
PHC F3	300	CCME 2008
PHC F4	2800	CCME 2008

4.5.1.2 Benthic Invertebrate Community

In order to further evaluate potential impacts to the benthic community present in waterbodies at the Pelly Lake Site, CCME sediment guidelines were considered. The CCME guidelines provide ISQGs and probable effect levels (PELs). The ISQG represents the concentration below which adverse biological effects are expected to occur rarely (i.e., fewer than approximately 25% of adverse effects records occur below the ISQG). This value was used in the sediment screening process. The PEL defines the level above which adverse effects are expected to occur frequently (i.e., more than approximately 50% of adverse effects records occur above the PEL). The CCME notes that the use of sediment quality guidelines (i.e., ISQGs) to the exclusion of other information (such as background concentrations of naturally occurring substances and biological tests) can lead to erroneous conclusions about the likelihood of biological effects. The PEL was used as one line of evidence to evaluate potential for effects in benthic invertebrate communities.

Ontario also provides two levels of sediment quality guidelines. The lowest effect level (LEL) indicates a level of sediment contamination that can be tolerated by the majority of benthic organisms. The severe effect level (SEL) is defined as the level at which pronounced disturbance of the sediment-dwelling community can be expected. The LELs and SELs were derived using the Screening Level Concentration (SLC) approach which involves review of sediment quality data for samples that cover a full range of concentrations for the chemical of interest, from no-effect levels for sensitive species to effect levels for tolerant species. For each species, the subset of samples with the species present is found, and the 90th percentile concentration of that data set is determined. This is considered to be the threshold level for effects on the species (the species SLC). Then the 5th percentile of the distribution of species SLCs is determined and is selected as the LEL. The SEL is determined as the 95th percentile of the same distribution. Table 32 provides the lead sediment benchmarks used in the assessment.

Table 32: Sediment Quality Probable Effect Level (PEL) and Severe Effect Level (SEL) Benchmarks for lead

COC	Unit	PEL [a]	SEL [b]
Lead	mg/kg	91.3	250

Notes:
a – CCME Probable Effect Level (CCME 1999b)
b - MOE 2008, Severe Effect Level sediment quality guideline

4.5.1.3 Aquatic Community

Potential effects from exposure to lead and iron for aquatic biota (e.g., zooplankton, aquatic plants, and fish) were evaluated using derived Species Sensitivity Distributions (SSDs). This approach involves reviewing aquatic biota toxicity data from reputable sources for appropriateness at this Site (e.g., include information for freshwater species only) and then using the resulting dataset to statistically fit a curve, which is a representation of the toxicity of a specific COC, to aquatic biota. This SSD approach is used by the CCME in the development of generic water quality guidelines. Thus, this approach has been adopted for the development of aquatic toxicity thresholds used for copper and iron in the ERA and is, therefore, supported by the CCME protocol (CCME 1999b).

The TRVs for the aquatic organisms for lead and iron are based on the SSD approach which is consistent with the CCME protocol (CCME 1999c) developed by the Water Quality Task Group to develop the Canadian Water Quality Guidelines for the Protection of Aquatic Life. The goals of the protocol include: (i) accounting for the unique properties of COC which influence their toxicity; and (ii) incorporating the SSD method, which uses all available toxicity data (provided these data pass quality control criteria).

The development of the SSD curves for iron and lead was based on toxicity data obtained from the literature. The data used in the curves are mainly for growth and reproductive

endpoints. Chronic toxicity data related to effects on 10% to 25% of the population (EC/IC10-25) and the maximum acceptable toxicant concentration (MATC) are considered to be high quality toxicity thresholds. In the absence of these preferred toxicity thresholds, no observable effects concentrations (NOECs), lowest observable effects concentrations (LOECs) and lethal toxicity values are used if necessary to develop the curve.

The data used were based on U.S. EPA ECOTOXicology database and were augmented with some additional data from literature. Details on the derivation of the SSDs are provided in Appendix C.

As discussed previously, the toxicity of iron is influenced by pH. Generally, the toxicity tests summarized for the aquatic SSD were completed within a neutral range of pH. The average pH of Drinking Water Lake and Campsite Area Pond is 6.8 indicating it is in the neutral pH range.

4.6 RISK CHARACTERIZATION

Risk characterization determines the potential for negative health effects or risks to ROCs. This is done by first combining the findings of the exposure assessment with the findings of the toxicity assessment for each LOE to determine potential risk based on each LOE. Characterization of risks also includes a WOE approach as well as consideration of the uncertainty and conservatism in the ERA.

4.6.1 Terrestrial Plants and Invertebrates

The WOE evaluation for terrestrial vegetation is based on comparison of soil concentrations and vegetation concentrations to appropriate benchmarks. Consideration was given to other LOEs, such as plant health and diversity surveys, but no information was available.

4.6.1.1 Soil Chemistry

PHC concentrations that exceed the ecological benchmarks for vegetation were presented in Section 4.4.1.1. As discussed in that Section there are 2 locations in the entirety of AEC 2 where the concentrations of PHC F2 and F3 were above benchmarks that are protective of sensitive vegetation such as grasses, rye, barley, lettuce. The two locations are Camp 5 and CAMP 11. The two photographs below show these locations. As seen from the picture, these are disturbed areas with tanks and/or debris in these areas and very little vegetation present. Thus, the PHC exceedances in these two locations do not result in any adverse effects on the vegetation population in AEC 2.

Photograph 3: CAMP 5 Sampling Location in AEC 2



Photograph 4: CAMP 11 Sampling Location in AEC 2



In AEC 3, 3 out of 45 soil samples had concentrations of PHC F3 and F4 exceeding the ecological benchmarks protective of vegetation. These were at locations Site 1-5, Site 1-6, and Site 1-7 which are around a barrel cache in the area. As seen from the photographs below, the area has very sandy soil and there is no vegetation present in the sandy areas (which have the appearance of a beach). The lack of vegetation results in no exposure and thus the PHC F3 and F4 found in the soil at these three separate locations around the barrel cache in AEC 3 do not represent a risk.

Photograph 5: Barrel Cache in AEC 3



Photograph 6: Site 1-6 in AEC 3



In AEC 4, 3 out of 45 soil samples had concentrations exceeding the ecological benchmarks protective of vegetation. These three samples were found at depths greater than 0.5 m. The two sample locations in the pictures below are at depths of 0.8 m to 0.9 m. The pictures demonstrate that the depth of contamination is well below the rooting zone of the grasses in the area and thus does not represent a pathway of exposure for the native grasses indicating that there is no risk to vegetation in AEC 4.

Photograph 7: PS11-SS3 in AEC 4



Photograph 8: PS5-SS3 in AEC 4



4.6.1.2 Summary

Table 33 summarizes the information from the individual LOE of soil chemistry of PHCs to determine a potential effect at the Pelly Lake Site.

Table 33: Summary of Overall Weight of Evidence Evaluation for Vegetation

Assessment Endpoint	Line of Evidence	Measurement Endpoint
Maintenance of the health and ecological integrity of vegetation communities	Soil Chemistry	Soil concentrations for PHCs are above the ecological benchmarks for sensitive plant species such as grasses, rye, barley, and lettuce. There is limited spatial exceedances of the vegetation benchmarks, generally 3 samples within an APEC at the Site. Field observations indicated little to no vegetation in the areas of exceedances. Additionally, the contamination in AEC 4/APEC 3 is below the rooting zone for the native grasses and thus does not represent an exposure pathway.
Overall Assessment: The information presented indicates that PHC contamination present at the Site is limited spatially and does not result in adverse effects to vegetation communities present at the Site. Field observations indicated little to no vegetation in the areas of exceedances.		

4.6.2 Evaluation of Benthic Invertebrate Community Health

The evaluation for benthic invertebrate communities in the Campsite Area Pond considered sediment chemistry, and bioavailability results to determine potential effects.

4.6.2.1 Sediment Chemistry

One of the LOEs is a comparison of the sediment chemistry with the appropriate benchmarks. As indicated previously, lead in sediments is the only COC to be evaluated. The results of the comparison to the PEL from the CCME is shown in Figure 11. As seen from the figure, the only location where the PEL is exceeded is in the area around PS30 which is the small drainage channel entering the Campsite Area Pond. As shown in Photograph 2 in Section 3.2.1.2, the PS30 sample location and it can be seen that the water is very shallow in the drainage channel and batteries are present in the area. Concentrations of lead in sediments generally decrease with distance from PS30 and by the time the drainage channel enters the Campsite Area Pond, the lead concentrations in sediments are below the ISQG.

Figure 11: Sediment Assessment Results for Campsite Area Pond



COC	Unit	PS30	PS30 – STEP 1	PS30 – STEP 2	PS30 – STEP 3	SED5	SED6	PW3	PW5
Lead (Pb)	mg/kg	4385	1740	7540	2720	60.2	14.8	0.97	0.95

COC	Unit	SED1	SED 2	SED 3	SED 4
Lead (Pb)	mg/kg	0.84	1.26	3.53	3.62

4.6.2.2 Bioavailability

To assess potential impacts from the lead in the sediments on the benthic community, sediment samples were submitted for Acid Volatile Sulfide/Simultaneously Extracted Metals (AVS/SEM) analysis. The AVS/SEM analysis provides an indication of sediment toxicity by measuring the bioavailable fraction of metals present. Toxicity of the sediment is evaluated by calculating the sum of the SEM divided by the AVS concentration: a ratio less than or equal to 1 indicates that the sediment metals are not bioavailable, while a ratio of greater than 1 indicates that the metals are bioavailable. If the AVS concentrations are below the MDL then a ratio cannot be calculated and no sulfides are available for binding metals. Sediment samples from PS30 in the small drainage channel leading into Campsite Area Pond and the step out samples were subjected to AVS/SEM analysis. The results of the AVS analysis were all less than the MDL indicating that there are no sulfides available for binding the metals and thus the lead present in the sediments is considered to be bioavailable.

4.6.2.3 Summary

Table 34 provides a summary of the various lines of evidence to evaluating the overall potential for effects in the benthic communities in the Campsite Area Pond. A minimal weight was assigned to the sediment chemistry LOE since the exceedance of a benchmark based on laboratory testing does not necessarily imply an adverse ecological effect in the environment. The sediment bioavailability LOE was assigned more weight than the sediment chemistry results as it provided information about actual bioavailability of metals in the sediment and is related to toxicity. The results show that it is unlikely that benthic communities in the Campsite Area Pond are experiencing adverse effects due to metals present; however, there is a potential for localized adverse effects in benthic organisms present in the drainage channel leading into the Campsite Area Pond where batteries are present.

Table 34: Summary of Assessment of Benthic Invertebrate Community in the Campsite Area Pond

Assessment Endpoint	Line of Evidence	Measurement Endpoint
Maintenance of the health and ecological integrity of the benthic invertebrate community.	Sediment chemistry	There are exceedances of sediment benchmarks for lead in a localized area in the drainage channel entering into Campsite Area Pond. There are no exceedances of benchmarks within the Campsite Area Pond.
	Bioavailability	The AVS/SEM analysis indicated that there are no sulfides present in the sediment samples in the localized area in the drainage channel entering into Campsite Area Pond. Therefore, the lead present is considered to be bioavailable.
Overall Assessment: It is not expected that benthic communities in the Campsite Area Pond would experience adverse effects due to metals present in the sediments as a result of activities at the Pelly Lake Site. However, there is a potential for adverse effects in a localized area within the shallow drainage channel that enters the Campsite Area Pond.		

4.6.3 Evaluation of Aquatic Community

The assessment of potential effects on the aquatic community involved the development of SSDs for the lead and iron. These SSD curves integrate toxicity information, obtained from a review of the scientific literature, on a range of aquatic biota and are used to support the assessment of different communities. Appendix C provides the documentation and methodology for developing the SSD curves.

The SSD approach used in the aquatic assessment allows for the determination of which species in the aquatic community are most likely to be affected so that potential key species, or sentinel species, can be identified and protected. Test species used in the development of the SSD curve are usually chosen to include representatives from different taxonomic groups and different trophic levels (van Leeuwen and Vermeire 2007) and selected for their manageability under laboratory conditions, their sensitivity to COCs, and their ecological relevance and not the fact that they are present in the environment. Species at the bottom of the curve represent the most sensitive species.

In addition, the SSD approach can be u sed to determine whether the trophic levels or functioning of the ecosystem are impaired. Naeem and Li (1997) showed that more species per functional group made systems more stable and the loss of one species in a functional group could be compensated for by growth of other species in the same group. This study and other papers such as Klepper et al. (1999), support the idea of functional redundancy, that is, that not all species contribute equally to the function of an ecosystem and functions are sustained even when some species are lost. Thus, the loss of individual sensitive species at the bottom of the SSD curve does not imply that the ecosystem function is impaired as long as there are similar species along the curve that are present in the ecosystem.

In terms of protection levels for aquatic SSDs, the 95% and 90% protection levels are most frequently used to establish criteria for the protection of integrity of aquatic communities. The use of these protection levels does not mean that 5% or 10% of species in natural environments would be affected. In fact, in natural environments, the 95% protection level has been found to correspond to the no observ\able adverse effect concentration (NOAEC) based on multispecies, microcosm studies (Giesy et al. 1999). Solomon and Giddings (2000) argued that significant effects rarely occur at the 90% protection level because of factors such as variance in exposure and recolonization.

Figure 12 and Figure 13 show the measured concentrations for lead and iron in AEC 1 (Campsite Area Pond) on their respective SSD curves, respectively. Figure 14 shows the measured concentrations of iron and lead in Campsite Area Pond in comparison the CCME guidelines.

As can be seen in Figure 12, the measured concentrations of lead in surface water are all below the 90% protection limit (0.012 mg/L) with the exception of concentrations at sampling locations SW4 and PS30. It is noted that the CCME guideline for the protection of aquatic life of 0.001 mg/L is below the lowest measured toxicity values for snails (*Lymnaea stagnalis* - the most sensitive species) of 0.0015 mg/L. This demonstrates the conservative nature of the CCME guideline. Measured lead concentrations at sampling location SW5, which is the inlet to the Campsite Area Pond, is below the MDL. The concentration at SW4 is just above the 90% protection limit (0.0135 mg/L vs. 0.012 mg/L). The lead concentration at PS30 is elevated above the 90% level indicating the potential for a localized effect on aquatic communities within the shallow drainage channel around PS30.

For iron, Figure 13 demonstrates that the majority of the iron concentrations within the Campsite Area Pond are below the 90% protection limit of 1.6 mg/L with the exception of concentrations at SW4 (see Figure 14). The highest concentrations of iron are measured at SW 2 and SW6 which are located in the drainage channel that enters into the Campsite Area Pond. As seen from Figure 14, iron concentrations in the drainage channel decrease from a high of 26.9 mg/L at SW2 to a lower value of 7.34 mg/L at the inlet of the Campsite Area Pond (SW5). The localized areas of iron exceedances within Campsite Area Pond are not expected to have adverse effects in the aquatic community present in Campsite Area Pond. However, there is the potential for a localized effect on aquatic communities within the shallow drainage channel entering into Campsite Area Pond.

Figure 12: SSD Evaluation of Lead in Surface Water

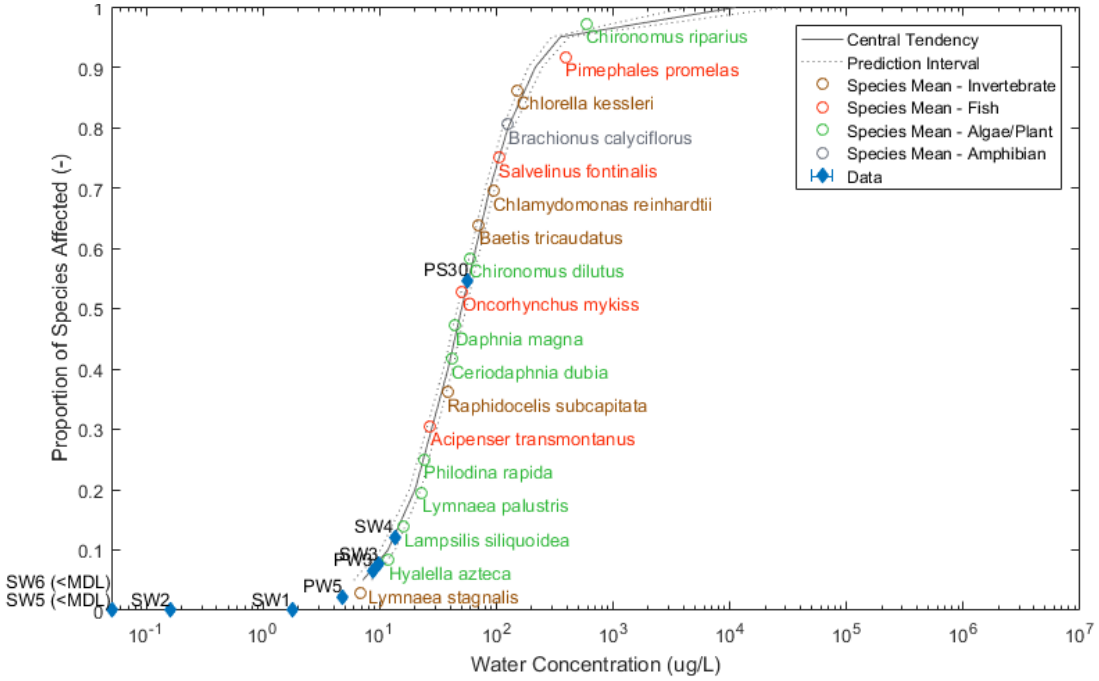


Figure 13: SSD Evaluation of Iron in Surface Water

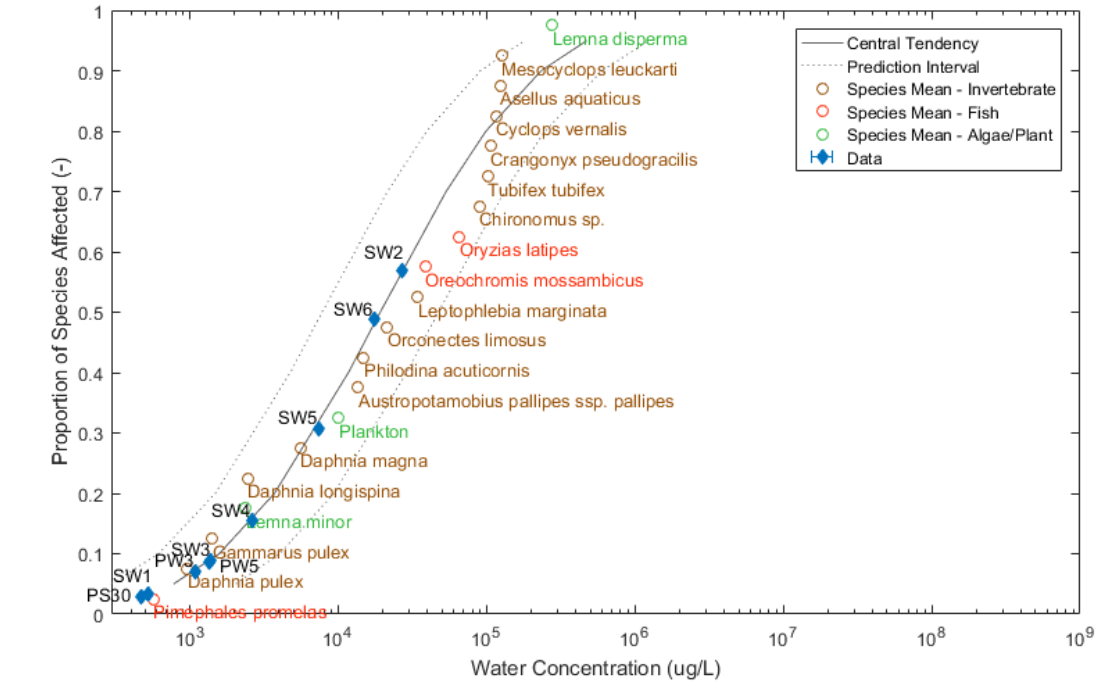
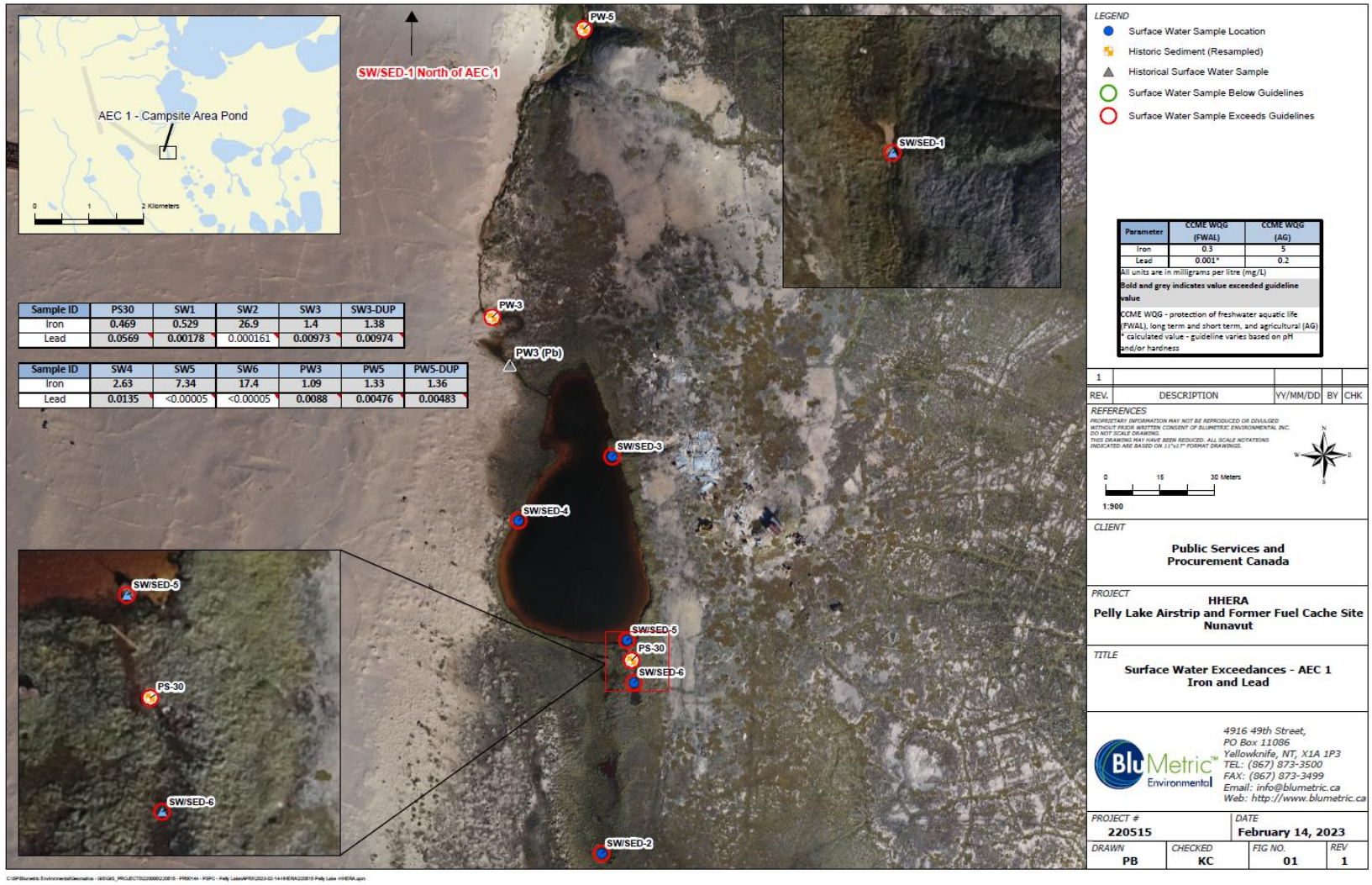


Figure 14: Surface Water Exceedances of CCME guidelines for Lead and Iron in Campsite Area Pond



4.6.3.1 Summary

Only one LOE is used for the aquatic community which is a comparison of the measured concentrations of lead and iron in AEC 1 to CCME guidelines as well as the use of the SSD curve.

Table 35 provides a summary the assessment for the aquatic communities present in AEC 1 which includes the shallow drainage channel entering Campsite Area Pond as well as the Pond itself.

Table 35: Summary of Assessment of Aquatic Communities Present in AEC 1

Assessment Endpoint	Line of Evidence	Measurement Endpoint
Maintenance of the health and ecological integrity of the water column organisms.	Water Chemistry	Comparing the water chemistry to toxicity of aquatic biota, indicate that there are no potential impacts expected in the aquatic communities within the Campsite Area Pond. However, there is a potential for adverse effects in the shallow drainage channel entering the Campsite Area Pond due to lead and iron.
Overall Assessment: No adverse effects on aquatic communities are expected in Campsite area Pond as a result of activities at the Pelly Lake Site. However, there may be some localized adverse effects within the shallow drainage channel that enters Campsite Lake Pond due to lead and iron concentrations in the water.		

4.6.4 Overall Summary

Table 36 provides an overall summary of the WOEs for the assessment endpoints. The results show that there will be no risks to terrestrial wildlife or vegetation at the Pelly Lake Site. There are no risks to aquatic receptors in the waterbodies present at the Site. There is a potential limited spatial effect on aquatic organisms in the shallow drainage channel which enters Campsite Area Pond.

Table 36 Summary of Results of ERA

Assessment Endpoint	
Maintenance of the health and ecological integrity of the benthic invertebrate community.	It is not expected that benthic communities in the Campsite Area Pond would experience adverse effects due to metals present in the sediments as a result of activities at the Pelly Lake Site. However, there may be a localized area within the shallow drainage channel which enters the Campsite Area Pond.
Maintenance of the health and ecological integrity of the water column organisms.	No adverse effects on aquatic communities are expected in Campsite area Pond as a result of activities at the Pelly Lake Site. However, there may be some localized adverse effects within the shallow drainage channel that enters Campsite Lake Pond due to lead and iron concentrations in the water.
Maintenance of the health and ecological integrity of vegetation communities	PHC contamination in soils present at the Pelly Lake Site is limited spatially and does not result in adverse effects to vegetation communities present at the Site. Field observations indicated little to no vegetation in the areas of exceedances.

4.7 UNCERTAINTY ANALYSIS

Like any ERA, there are many sources of uncertainty in this ERA. Uncertainties are often addressed by making conservative assumptions to ensure that ROC are adequately protected in the absence of Site-specific information. Table 37 examines the assumptions in of the ERA, comments on the level of uncertainty that should be assigned to findings and helps identify areas where future work may be reduce uncertainties. The conservative assumptions result in an overall overestimation of risk in this ERA; therefore, the associated uncertainties do not affect the conclusions of the assessment. The level of uncertainty is considered acceptable for the scope of this ERA.

Table 37: Uncertainty Analysis for the ERA

Assumptions	Uncertainties	Under or Over Estimate Risk	Rationale
Identification of COCs			
All potential sources of contamination on the Site were identified.	Low	Neutral	Phase III investigation collected samples to delineate and capture contamination at the Pelly Lake Site.
The types of COCs present on Site have been characterized in all media	Low	Neutral	The Phase III ESA investigated COCs in soil, surface water, sediment, and vegetation. Background soil samples were also collected to evaluate naturally elevated metals at the Site. COCs in soil were considered to be sufficiently characterized.
Exposure Assessment			
Assuming soil COC concentrations are 100% bioavailable to plant communities	High	Overestimate	This assumption is overly conservative, especially when assessing risk to plant communities using media concentrations as exposure concentrations. The exposures do not account for effects of soil pH, % organic matters, and other constituents in the soils that potentially affect the bioavailability of COCs in the environment. The bioavailability is variable in different soils (e.g., between toxicity test soils and Site soils) is often less than 100%.
Bioaccumulation uptake equations were obtained from widely accepted sources. Modelling of concentrations in food was based on these uptake factors.	High	Overestimate	Food-web modelling generally results in overestimates of tissue concentrations in food items consumed by higher trophic level organisms. Since assumptions regarding food-web transfer are generally highly conservative, overestimation of concentrations in tissues can be expected to increase from one trophic level to the next.
Effect Assessment			
The applicability of the selected TRVs to the various exposure pathways for soil, sediments and surface water	Moderate	Overestimate	The TRVs applied in the ERA are likely to overestimate potential risk as they are developed and selected to ensure comprehensive protection to even the most sensitive species.

4.8 EFFECT OF CLIMATE CHANGE ON THE ERA RESULTS

As discussed in Section 3.7, the changing climate has the potential to impact how the risk associated with contaminants is assessed and how effective the remedial and risk management plans are at these contaminated sites. Based on climate projections, the Pelly Lake area is predicted to experience an increase in precipitation, an increase in wet days, higher mean temperatures, a greater number of warmer days and a lower number of ice days.

The temperature changes will result in increased water temperatures and soil temperatures and less snow cover on the ground. These warming temperatures may result in enhanced attenuation of the PHC in soils which would lead to decreased concentrations. The decrease in snow cover would result in more days when the surface soils are snow free indicating a potential for increased exposure to the contamination by ecological receptors. Given that there is little to no vegetation present in the areas of contamination, the increased snow free days will not result in any risks to vegetation or wildlife populations present at the Site. As there is very little organic material and vegetation present in the soil in the areas of PHC contamination, the increased temperature is unlikely to stimulate additional plant growth.

The increased precipitation will result in increased surface erosion, surface run-off and infiltration. All of these processes are likely to result in decreased concentrations of PHCs in the surface soils at the Site. The increased precipitation and run-off may lead to increased water levels in the waterbodies at the Site and thus decreases in concentrations. The only exceedances of water quality guidelines occur at the Campsite Area Pond in AEC 1. It is likely that with increased precipitation, the iron and lead concentrations may decrease in both the shallow drainage channel and the Campsite Area Pond, potentially resulting in a decrease in risk. As the source of the lead contamination is the batteries present in the shallow drainage channel, any surface erosion may lead in covering of the sediments in the drainage channel with uncontaminated material and thus burying the lead contamination in the sediments.

There is also likely to be increases in forest and grass fires. As there is not a substantial amount of vegetation present, it is unlikely there will be increased fires at the Site that would affect the contaminant fate and transport and result in ecological risks.

In summary, climate change is unlikely to result in increased risks to ecological receptors at the Pelly Lake Site from exposure to PHCs in soil or lead and iron in the Campsite Area Pond. It is likely that contaminant levels will decrease as a result of climate change.

5. HHERA SUMMARY AND RECOMMENDATIONS

The HHRA evaluated the risk to people who would be present at the Site. It is noted that people rarely visit the Site as it is far away from Baker Lake. The qualitative analysis of human health which involved a comparison of the maximum measured concentrations in soil to human health guidelines indicated that there were no exceedances of the soil guidelines and therefore no risk to people from soil pathways at the Site. There are no exceedances of drinking water guidelines within the Drinking Water Lake indicating that the water is safe to drink. There are exceedances of drinking water guidelines in the Campsite Area Pond for iron and lead. The presence of iron in the water results in an unpleasant taste but no health effects. Occasional drinking of water from Campsite Area Pond will not pose a risk to people from lead exposure.

The ERA evaluated the risks to plants, wildlife, the aquatic community, and SAR that would forage at the Site. A qualitative evaluation was undertaken for wildlife and SAR as the maximum measured concentrations at the Site were below ecological guidelines and therefore were not considered at risk.

Petroleum Hydrocarbons were identified in soils for evaluation of plants (vegetation) as they do not move up the food web. Lead and iron were considered to be the only COCs in the Campsite Area Pond.

The results of the ERA showed that there are no risks to vegetation due to the presence of PHCs in soil as they are spatially limited across the Site and there is little to no vegetation growing in the areas where guidelines were exceeded.

Aquatic communities including fish are not expected to be at risk in the Campsite Area Pond. However, there is the potential for localized effects in aquatic communities present in the shallow drainage channel which enters Campsite Area Pond.

Climate change is unlikely to result in increased risks to human or ecological receptors at the Pelly Lake Site. It is likely that contaminant levels will decrease as a result of climate change.

It is recommended that remedial activities at the Site should focus on AEC 1 in the shallow drainage channel entering Campsite Area Pond.

6. STATEMENT OF LIMITATIONS AND CLOSURE

The observations and results obtained during this investigation are representative of the conditions encountered at the sampling locations only. The conditions that BluMetric interprets to exist at, between, and beyond sampling points may differ from those that actually exist. The statements made in this report are based solely on the information obtained to date as part of the above referenced investigation. BluMetric has used its professional judgment in analyzing this information and formulating its conclusions. No other warranty or representation expressed or implied, as to the accuracy of the information or recommendations is included or intended in this report.

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Respectfully submitted,



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APPENDIX A

Species at Risk Report

ECOFOR
natural and cultural resource consultants

SPECIES AT RISK

RECEPTOR IDENTIFICATION AND HABITAT ASSESSMENT

PELLY LAKE AIRFIELD

PREPARED FOR:

Public Services and Procurement Canada
Northern Contaminated Sites Program
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1 INTRODUCTION

The Pelly Lake airfield is located approximately 250 km northwest of Baker Lake, NU within the Kivalliq region. The Pelly Lake airfield operated as an airstrip and base from 1954 to 1956, after which was rehabilitated and used as a fuel cache. Despite cleanup efforts, various materials and buildings were left at site that may pose contamination risk. Current access to the site is by air, all terrain vehicle, and snowmobile, and it is infrequently visited.

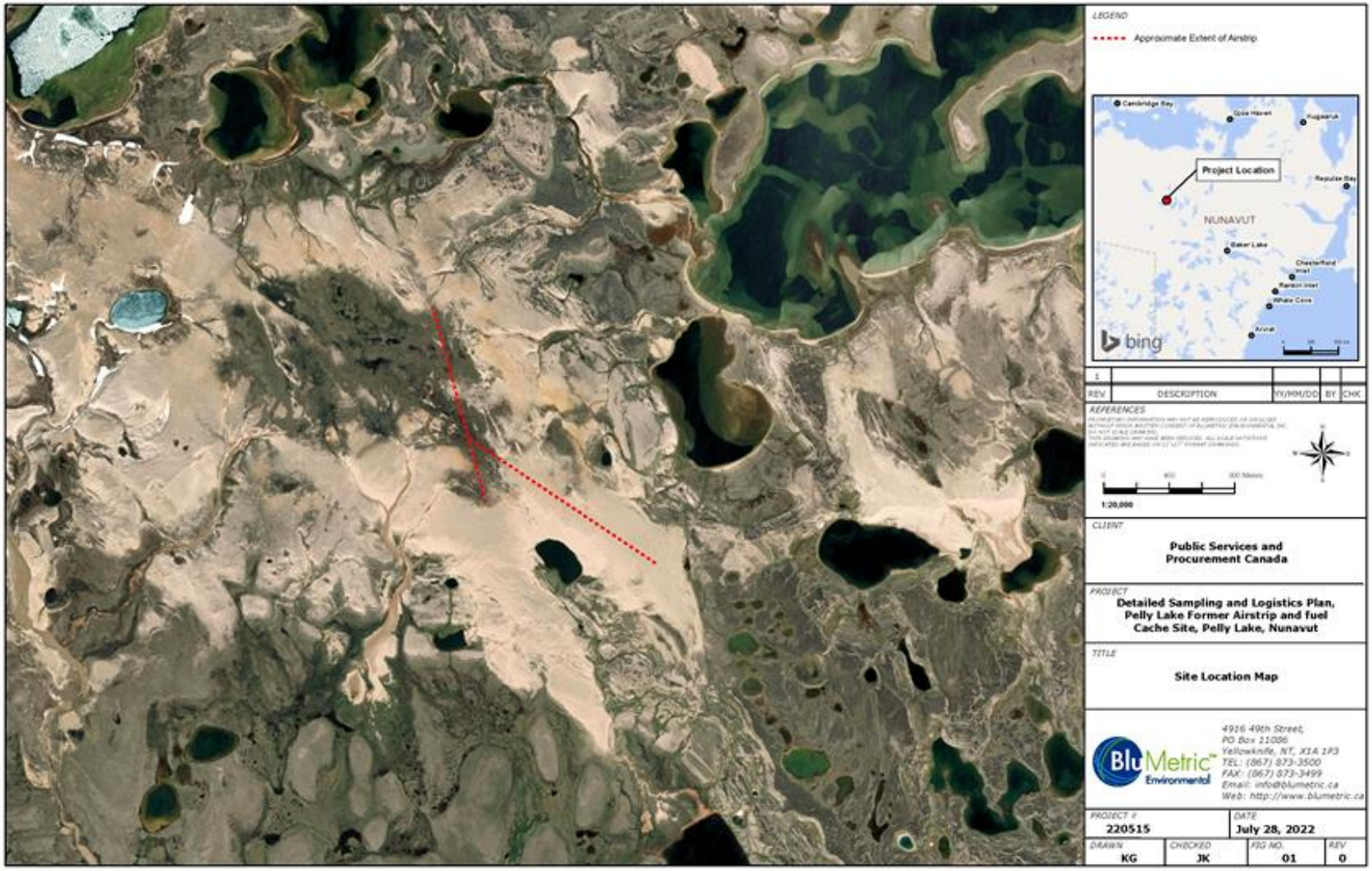
The Pelly Lake site is currently abandoned but evidence of a campsite, as well as fuel tanks, oil drums, and other debris remain. In 2005, Phase I and Phase II Environmental Site Assessments were completed, resulting in the identification of some lead contamination in the sediment and surface water, exceeding CCME criteria. Additionally, petroleum hydrocarbon contamination was identified. More recently, fieldwork was conducted including an environmental investigation, hazard assessment, archaeological assessment, and geotechnical assessment in August 2022. The Pelly Lake site is shown in Figure 1.

This report provides an *Ecological Risk Assessment* with respect to species at risk that may occur in the study area. This report provides a review of:

1. Habitat characterization of the study area and surrounding areas; and
2. Species at risk that may be present within study area, and potential impacts of contaminants and/or site remediation activities.

The general habitat characterization of the site and surrounding areas determines the likelihood of potential receptors visiting the sites, for what purpose, and for how long. The characterization is based on publicly available literature, databases, maps, photos of the sites, etc., including available previous reports on the site. This habitat characterization includes a general description of habitat and is followed by a review of the types of plants, invertebrates, and wildlife species that may be present. Conclusions are based on drone footage and site photographs. No fieldwork was conducted and would be required to confirm the findings.

Figure 1. Pelly Lake Airfield Site Location Map



2 HABITAT CHARACTERIZATION

This section assesses the habitats at and near the study area, to provide background to determine the likelihood that potential ecological receptors are using the site, for what purpose, and for how long. The assessment is based on Google Earth imagery, videos and photographs collected by field teams in August 2022, and the information available in previous reports regarding the study area (Figures 2 to 5).

The general topography of the study area undulates with an overall slope to the south towards Garry Lake, approximately 6 – 15 km to the south. The Arctic Circle is about 56 km to the north. The community of Baker Lake is located approximately 250 km to the southeast. Current access to the site is by air, all terrain vehicle, and snowmobile, and it is infrequently visited. Vegetation in the Southern Arctic Ecozone ranges from stunted trees in the south to treeless regions comprised of ground-hugging shrubs, lichens, and mosses toward the ecozone's northern limits. The Garry Lake Lowland Ecoregion, the part of the Southern Arctic Ecozone within which the site occurs, is covered with many lakes and ponds that were formed in the last glaciation, over a continuous layer of permafrost. The limited precipitation in the area, paired with harsh winter conditions results in stunted tree growth, where soil substrates allow (Campbell et al. 2012).

Figure 2. Orthophoto of the northwest side of the study area

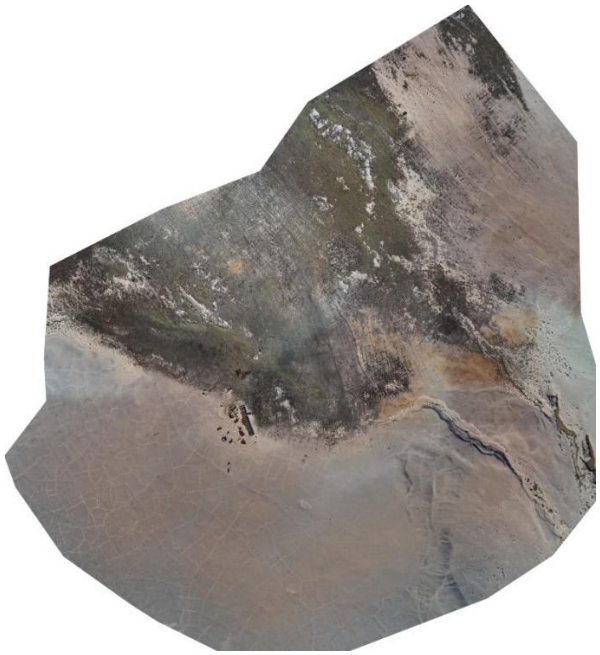


Figure 3. Orthophoto of the southeast side of the study area (similar area to Figure 5)

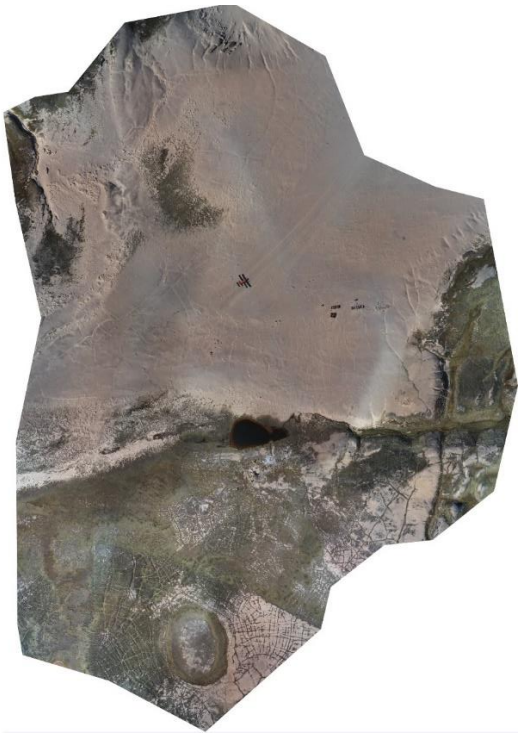


Figure 4. Drone imagery showing typical habitats.



Figure 5. Drone imagery, from the southeast end facing northwest.



3 Common Plant and Animal Species

The Pelly Lake site is a mosaic of shrub and herbaceous vegetation broken up by sand and gravel glacial deposits. Most plants are assumed to be native species. There are multiple natural wetland features on the site, and no anthropogenic wetland features. The wetlands are primarily unvegetated, with shrubs and graminoids concentrated in adjacent areas with poor drainage.

3.1 Vegetation

Most of the terrestrial habitat types in the study area are tundra. A site visit and environmental investigation was conducted, where vegetation was sampled to determine the uptake of contaminants of concern and will inform future risk assessment work. Terrestrial plant communities in the study area appeared to be healthy in site photographs (Figures 2 to 15). A partial list of on-site plant species, based on identifications from site photographs, drone imagery, and literature, is provided in Table 1. Lichens, mosses and most grass species were recorded without species identification. The plants noted are representative of the plant communities but are not an exhaustive list. Black Crowberry is apparently the dominant vegetation within the study area, based on the available site photographs.

Table 1. Plant species photographed in the study area

Black Crowberry (*Empetrum nigrum*)	Arctic Cranberry (*Vaccinium vitis-idaea*)
Dwarf Birch (*Betula pumila var. glandulifera*)	Sedges (*Carex* species)
Labrador Tea (*Rhododendron* (*Ledum*) *palustre*)	Lichens
Cloudberry (*Rubus chamaemorus*)	Mosses
Willow (*Salix* species)	Grasses (several species)

Figure 6. Black Crowberry



Figure 7. Arctic Cranberry



Figure 8. Labrador Tea



Figure 9. Cloudberry



Figure 10. Dwarf Birch



Figure 11. Willow (stems without leaves), Sedge, Moss



Figure 12. Moss species



Figure 13. Lichen species



Figure 14. Sedge species



Figure 15. Grass species, Labrador Tea, Arctic Cranberry, Lichen species



3.2 Animals

Typical artic tundra wildlife species are likely to use the study area. Appendix 1 lists the wildlife species at risk in Nunavut and their potential occurrence in the study area. Caribou, Snowshoe Hare, Arctic Ground Squirrel, Lemming, Canada Goose, and Ptarmigan species were observed during the August 2022 site visit (Figure 6 to 9). Evidence of fox, Grey Wolf and Caribou, including observations of scat and bones, were also noted during the site visit. Bear and Muskox (*Ovibos moschatus*) tracks were present in the sand. Small mammals (e.g., mice, voles, lemmings) and their predators (weasels, foxes, coyotes; with raptors hunting from above) likely live throughout the study area. Caribou, Moose, Grizzly Bears, Canada Lynx and other mammals likely use the study area year-round. See Figures 16-21.

Figure 16. Caribou skull, on Crowberry, grass species, and lichen species.



Figure 17. Grey Wolf skull in the study area.



Figure 18. Grey wolf scat in the study area.



Figure 19. Fox(?) scat in the study area.



Figure 20. Snowshoe Hare



Figure 21. Lemming



Many migratory bird species are likely present throughout the study area; they are protected under the *Migratory Birds Convention Act, 1994*. The study area is in migratory birds Zone N9, with the nesting period of migratory birds being May 15 to August 17 (ECCC 2018). During this period there is a risk of remediation works impacting nesting birds (see Discussion).

Fish should be assumed to be present in all the ponds and lakes, in the absence of a specific inventory program. Fish and fish habitat must not be impacted during remediation activities without approval under the federal *Fisheries Act*.

3.3 Soil and Aquatic Invertebrates

Soil invertebrates include organisms such as worms, springtails, spiders and insects. Soil invertebrates are uncommon and of relatively minor importance in terrestrial arctic ecosystems due to cold soils with permafrost limiting soil structure and depth of soil use by invertebrates (Danks et al. 1997). The study area provides limited habitat for soil invertebrate communities. Soil organisms will generally be less abundant in the wetland areas, both because of the saturated soils and because of cold summer soil temperatures. No information regarding soil invertebrates at the site is available.

Aquatic invertebrates in northern areas include a wide range of species, primarily larvae of insect species such as Dragonflies/Damselflies (Order Odonata), Mayflies (Order Ephemeroptera), Stoneflies (Order Plecoptera), and Midges and other flies (Order Diptera). There is no information on which to base estimates of their abundance or species diversity, but at least some will likely be present. Aquatic invertebrates in northern areas generally prefer the warmest aquatic habitats – relatively shallow water that can be warmed by the summer sun. Flying adults lay eggs in water, at various times during the summer (depending on the species). Those eggs hatch into larvae that spend a few months to multiple years maturing into new adults that emerge from the water at various times during the summer. Aquatic invertebrates of at least some species will be present in ponds and lakes at all times of year, including under winter ice.

No species at risk soil invertebrates or aquatic invertebrates are likely to be present in the Project area.

4 Species at Risk

Species at Risk (SAR) are designated by the federal government. The *Committee on the Status of Endangered Wildlife in Canada* (COSEWIC) is an independent body of experts that determines whether species are *at risk* within Canada and recommends a conservation status rank. A federal government Minister then decides whether to place the species on *Schedule 1* of the *Species at Risk Act* (SARA) after a consultation process. Once a species has been placed on Schedule 1 of SARA, it is legally a federal species at risk. A species can be at risk within Nunavut, while not being at risk within Canada as a whole; however, no such species have been identified by the Government of Nunavut. Appendix 1 outlines the federally-listed species at risk in Nunavut and the study area; species that have been identified by COSEWIC as being at risk but have not been placed on Schedule 1 of SARA are included.

There are 28 non-marine animal and plant Species at Risk (SAR) known to be present in the Nunavut (Appendix 1) (Government of Canada 2021). Marine mammals such as whales and seals are omitted from this assessment, because marine habitats do not occur near the study area. In Appendix 1, each species was first assessed to determine whether it is potentially present near the study area using the range maps in COSEWIC reports, and other sources, and then assessed to determine whether it may occur at the study area based on habitat suitability. Some SAR species are unlikely to occur in the vicinity of the study area, and are noted as "nil" occurrence in Appendix 1. There are nine species at risk potentially present within the study area, comprised of one insect, four birds, and four mammals (Table 2). During the site visit in 2022, all SAR signs were documented along with more common species. They are further discussed in the sections below.

TABLE 2. SPECIES AT RISK POTENTIALLY PRESENT IN THE PROJECT STUDY AREA

COMMON NAME (SCIENTIFIC NAME IN APPENDIX 1)	COSEWIC STATUS	SARA		SPECIES HABITAT DESCRIPTION
		STATUS	SCHEDULE 1	
INSECTS				
Transverse Lady Beetle	Special Concern	Special Concern	Schedule 1	Species range includes study area; suitable habitat is present. lives on the foliage of herbs that are infested with aphids, and preys on the aphids.
BIRDS				
Harris's Sparrow	Special Concern	No Status	No schedule	Within species breeding range. Species nests in small, isolated wooded areas with trees or tall shrubs that may be present adjacent to the study area.
Lesser Yellowlegs	Threatened	No Status	No Schedule	Within species breeding range. The wetlands present in the study area provides suitable breeding and foraging habitat.
Red-necked Phalarope	Special Concern	Special Concern	Schedule 1	Within species breeding range. The wetlands present in the study area may provide suitable breeding and foraging habitat.
Short-eared Owl	Threatened	Special Concern	Schedule 1	Within species breeding range. The open habitat within the study area may provide suitable hunting and breeding habitat.
MAMMALS				
Barren ground Caribou	Threatened	No status	No Schedule	Within species range. Vegetation within the study area may provide suitable forage during the summer season.
Grizzly Bear	Special Concern	Special Concern	Schedule 1	Within species range. The study area may provide suitable forage in the spring and summer seasons.
Polar Bear	Special Concern	Special Concern	Schedule 1	Within species range. Species may inhabit study area if forced inland due to loss of sea ice.
Wolverine	Special Concern	Special Concern	Schedule 1	Within species range. The study area may provide suitable forage and denning habitat.

5 DISCUSSION

5.1 Insect Species at Risk

The Transverse Lady Beetle (*Coccinella transversoguttata*) is listed as a species of *Special Concern* by COSEWIC and under SARA. There are no authoritatively defined activity periods for the insects, but, for the Kivalliq Region, the period of May 15 to August 15 is a reasonable approximation (based on C. Guppy's expertise in entomology). The Transverse Lady Beetle lives on the foliage of herbs that are infested with aphids, and preys on the aphids (COSEWIC 2016). Though there have been no historical accounts of the beetle in Nunavut, absence has not been confirmed (COSEWIC 2016). The species has a broad geographic range and low site fidelity, meaning it may not re-use the same breeding site in successive years. Detection in one year does not mean they will be in the same place, or even anywhere in the study area, the next year. Similarly, absence in one year does not predict absence in a succeeding year. Lady beetles have four developmental life stages, including egg, larva, pupa, and adult (COSEWIC 2016). The lifespan of a lady beetle is short, and it is possible for multiple generations to live and reproduce in one summer season. The adult beetles' ability to enter dormancy during times of extreme temperatures makes them adaptable in all climates. The beetle can be found as adults as early as May, and as larvae, pupa, and adults feeding on aphids the remainder of the summer. The Transverse Lady Beetle could potentially acquire contaminants through feeding on aphids that feed on contaminated plants, or from dust on the surface of the plants as the larvae, pupa, and adult beetles move around.

Inventory for presence/absence of this species within the Project area would require an expert specialist conducting a field survey immediately prior to remediation work. Field identification of living individuals can be inaccurate, even when done by an expert (Syd Cannings, Environment and Climate Change Canada, pers. comm.). Alternatively, it could just be assumed that the beetles occur in the Project area and are potentially present at remediation sites.

Mitigation could consist of habitat enhancement by seeding disturbed soil areas with locally occurring native flowering dicot plants to provide plants for aphids on which the beetles can feed. However, this would require a field inventory to determine which suitable dicot plants are present. Given that the Project area does not have confirmed presence of the Lady Beetle, and may be outside of its range, mitigation of potential impacts may not be warranted.

5.2 Bird Species at Risk

Birds potentially become receptors of soil contaminants through a variety of ways, with the various species at risk including a wide variety of routes. Birds have a variety of feeding habitats, but can be grouped as herbivores, omnivores, insectivores, and carnivores (Arcadis 2017). All birds can acquire contaminants through dust on the plants or ground (many birds will "dust bath" as part of their grooming) or the water they drink. They may nest on the ground in the base of shrubs within the Project area and come in direct contact with contaminated plants and soil. Herbivorous and insectivorous birds potentially acquire contaminants from the plants and insects that they eat. Reclamation may result in short term disturbance of breeding birds but will have positive long-term impacts on breeding habitat.

Some of the species at risk birds are migratory birds, with nesting periods between May 15 to August 17 (ECCC 2018). Others are not migratory birds but, as species at risk, also require management during their nesting seasons. Remediation activities will presumably occur during the summer nesting season; if so, then a qualified biologist should survey for all species of nesting birds and place appropriate no-work buffers around active nests to ensure compliance with the requirement of the *Migratory Birds Convention Act, 1994* to not harm migratory birds and the *Species at Risk Act* to not harm species at risk. The general nesting bird surveys and nest buffering will address most of the birds in the project area.

Harris's Sparrows (*Zonotrichia querula*) are listed as a species of *Special Concern* by COSEWIC but are not listed under SARA. They breed along the treeline of Northern Canada and migrate to the United States for the winter. Nesting habitat usually includes more densely vegetated areas in Nunavut (COSEWIC 2017). Though the likelihood of nesting on the site is low, the study area provides suitable foraging habitat for Harris's Sparrows. They have a general diet of seeds, berries, terrestrial and flying insects that they eat from the ground, leaving them vulnerable to contaminant exposure. Although not listed under SARA, Harris's Sparrow is a migratory bird and is therefore protected under the *Migratory Birds Convention Act*.

Lesser Yellowlegs (*Tringa flavipes*) are listed as *Threatened* by COSEWIC but are not listed under SARA. They spend the summer season breeding and foraging along the shorelines of wetlands in Northern Canada. Lesser Yellowlegs migrate to South America in the winter where mortality and habitat loss has a significant impact on the species (COSEWIC 2020). The study area is on the northern boundary of the species' breeding range. Lesser Yellowlegs use their long sharp bill to prey on aquatic insects and larvae in the substrate of wetlands as they wade through the shallow water (COSEWIC 2020). They typically nest on the dry ground within a few hundred meters of a wetland. Lesser Yellowlegs are vulnerable to contaminants in the water and substrate of wetlands, as well as the accumulating exposure in the prey that they feed on. Although not listed under SARA, Lesser Yellowleg is a migratory bird and is therefore protected under the *Migratory Birds Convention Act*.

Red-necked Phalaropes (*Phalaropus lobatus*) are listed as a species of *Special Concern* by COSEWIC but are not listed under SARA. Red-necked Phalarope have sufficiently specialized habitats that they are likely to nest in the same habitat patch each year, if present in the study area (COSEWIC 2014). The study area is within the breeding range of Red-necked Phalarope. Red-necked Phalaropes breed in wetlands or in vegetation near other sources of freshwater (COSEWIC 2014). Their home ranges are dominated by grasses and sedges, emergent aquatic vegetation, and open freshwater (COSEWIC 2014). Red-necked Phalarope nests on the edge of natural and anthropogenic ponds, where there are abundant insects on the surface of the water to feed on. Red-necked Phalaropes feed on invertebrates in ponds and wetlands, and therefore can acquire contaminants from both the invertebrates and from the water. Although not listed under SARA, Red-necked Phalarope is a migratory bird and is therefore protected under the *Migratory Birds Convention Act*.

Short-eared owls (*Asio flammeus*) are listed as a species of *Special Concern* by COSEWIC and under SARA. The study area is on the northern boundary of the historical range and habitat of the Short-eared Owl. They breed in a variety of open native and man-made habitats, and feed on small rodents and birds (COSEWIC 2008a). The small mammals in the study area make the site suitable foraging habitat for Short-eared Owls. Nesting habitat in tundra areas usually occurs where vegetation is dense, where Short-eared

Owls build a simple nest on the ground (COSEWIC 2008a). Contamination of the eggs through direct contact with the ground is possible if the species is nesting in the study area. Accumulation of contaminants through ingestion of contaminated prey species is also a potential threat to the species in the study area.

5.3 Mammal Species at Risk

Mammals have a variety of feeding habits, but can be grouped as herbivores, omnivores, and carnivores (Arcadis 2017). Transfer of contaminants may occur through feeding on contaminated plants, insects or animals around the study area. Small rodents, although not species at risk, are food for some of the species at risk (e.g., Short-eared Owl, Wolverine) and most bird and mammal predators. They may potentially acquire contaminants from soils or from the plants and insects that they eat. Mammals may nest on the ground in vegetation (e.g., small rodents), den in burrows where soil conditions permit burrowing (e.g., arctic fox, arctic wolf), or den in snow (e.g., polar bear). Contact contamination may occur during most components of inhabitation in the study area.

There are four mammal species at risk that potentially occur in the study area. Barren-ground Caribou and bear tracks were observed in the study area in 2022. Mammal SAR may only move through the site and are generally unlikely to remain in the area long enough to acquire significant amounts of contaminants or to be significantly disturbed by the remediation activities. Some may inhabit the study area for longer periods of time, foraging on small mammals and vegetation. Should they be observed near the remediation activities, work should be stopped until they move away without any stress. Remediation of areas of high contamination will reduce the risk of these species eating food that has been contaminated, although that has a low risk of being significant.

Barren-ground Caribou (*Rangifer tarandus groendlandicus*) are listed as *Threatened* by COSEWIC but are not listed under the SARA. They roam over Nunavut, and likely occasionally pass through the study area. The study area is within the Wager Bay, Eastern Kitikmeot, and Beverly Caribou herd home ranges (Campbell et al. 2012). Caribou sign (i.e., bones) were observed during a field visit to the site in 2022. The study area has forage value for caribou as they migrate through their home range. Caribou are most likely to frequent the study area during the post-calving period (June 26 – July 31) and fall rut period (September 16 – November 7) (Campbell et al. 2012). Barren-ground Caribou tend to migrate further south during the summer and north to the Arctic coast to calve (COSEWIC 2016a). Foraging on vegetation and drinking from the wetlands may be a source of contamination in the Caribou population that use the study area.

Grizzly Bears (*Ursus arctos*) are listed as a species of *Special Concern* by COSEWIC but are not listed under the SARA. The low-density range and new expansion of range overlaps with the study area. Bear tracks (most likely of Grizzly Bears) was noted during the site visit in 2022, though species identification was not confirmed. The study area provides suitable habitat for Grizzly Bears in the spring and summer seasons (March 1 – July 31) (COSEWIC 2002). Grizzlies tend to migrate further south and west in the late summer to their winter denning areas. During the winter, Grizzly Bears hibernate within their dens to survive the winter's harsh weather and lack of food. As opportunistic omnivores, Grizzly Bears forage on sedges in the spring, forbs and mammals (e.g., ground squirrels, caribou) in the summer, and berries and salmon in the fall (COSEWIC 2002). Accumulation of contaminants through ingestion of contaminated prey species

and vegetation is a potential threat to the species in the study area.

Polar Bears (*Ursus maritimus*) are listed as a species of *Special Concern* by COSEWIC and under SARA. The study area is on the southern border of the species' range, for bears forced inland due to loss of sea ice in the summer season. Polar Bear habitat is typically dependent on prey (e.g., seals) availability and consolidated pack ice. The study area occurs within the home range of the M'Clintock Channel subpopulation (COSEWIC 2008b). Bear tracks were noted during the site visit in 2022, though species identification was not confirmed. The Polar Bears that are forced inland during the open-water season have been known to eat berries, waterfowl eggs and young, and caribou (COSEWIC 2008b). Though unlikely, the vegetation and wildlife on site may be source of contamination risk to Polar Bears.

Wolverines (*Gulo gulo*) are listed as a species of *Special Concern* by COSEWIC and under SARA. Wolverines roam Nunavut in search for prey species (e.g., Ground Squirrels, Snowshoe Hare) and carcasses of large mammals (COSEWIC 2014a). Female Wolverines construct den sites in talus boulders, along eskers, under debris, or in snow tunnels in the arctic tundra (COSEWIC 2014a). The substrate throughout the study area may provide suitable denning habitat for Wolverines. Though open tundra and disturbed areas are not frequently visited by Wolverines, ungulate carrion presence may lure wolverines out of the dense vegetation. Potential contamination could pass from carrion and prey species to Wolverines if contaminated meat is eaten, or to young in contact with the soil in the dens. Reclamation activities would likely deter Wolverines from the area temporarily, as the species is known to avoid human disturbance.

6 SUMMARY

There are nine federal species at risk potentially present in the project area, comprised of one insect, four birds, and four mammals. Most of these species may potentially uptake contaminants either directly from water or soil / dust, or from the plants and animals on which they feed.

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COSEWIC. 2007a. COSEWIC assessment and status report on the Peregrine Falcon *Falco peregrinus* (*pealei* subspecies – *Falco peregrinus* and *pealei anatum/tundrius* – Falco peregrinus anatum/tundrius) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 45 pp.

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COSEWIC. 2008a. COSEWIC assessment and update status report on the Short-eared Owl *Asio flammeus* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 24 pp.

COSEWIC. 2008b. COSEWIC assessment and update status report on the polar bear *Ursus maritimus* in Canada. Committee on the Status of Endangered Wildlife in Canada, Ottawa. vii + 75 pp.

COSEWIC. 2009. COSEWIC assessment and status report on the Eskimo Curlew *Numenius borealis* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 32 pp.

COSEWIC. 2009b. COSEWIC assessment and status report on the Horned Grebe *Podiceps auritus*, Western population and Magdalen Islands population, in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 42 pp.

COSEWIC. 2011a. COSEWIC assessment and status report on the Barn Swallow *Hirundo rustica* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. ix + 37 pp.

COSEWIC. 2011b. Designatable Units for Caribou (*Rangifer tarandus*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. 88 pp.

COSEWIC. 2012c. COSEWIC assessment and status report on the Buff-breasted Sandpiper *Tryngites subruficollis* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 44 pp.

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COSEWIC. 2019. COSEWIC assessment and status report on the Hudsonian Godwit *Limosa haemastica* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xi + 50 pp.

COSEWIC. 2020. COSEWIC assessment and status report on the Lesser Yellowlegs *Tringa flavipes* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 64 pp.

COSEWIC. 2021. COSEWIC assessment and status report on the Ross's Gull *Rhodostethia rosea* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xii + 35 pp.

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APPENDIX I. Species at Risk in Nunavut and Occurrence in Study Area

COSEWIC = Committee on the Status of Endangered Wildlife in Canada. **SARA** = Species at Risk Act.

Common Name	Scientific Name	COSEWIC Status	SARA		Presence at Study Area		
			Status	Schedule 1	Potential Presence	Species Presence Rationale	Reference
Insects							
Transverse Lady Beetle	*Coccinella transversoguttata*	Special Concern	Special Concern	Schedule 1	Possible	Species range includes study area; suitable habitat is present.	COSEWIC (2016)
Freshwater Fish							
Fourhorn Sculpin	*Myoxocephalus quadricornus*	Data Deficient	Special Concern	No schedule	Nil	Species range includes study area; suitable cold, deep freshwater lake habitat absent.	COSEWIC (2003a)
Birds							
Barn Swallow	*Hirundo rustica*	Special Concern	Threatened	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2011a)
Buff-breasted Sandpiper	*Tryngites subruficollis*	Special Concern	Special Concern	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2012c)
Common Nighthawk	*Chordeiles minor*	Special Concern	Threatened	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2018)
Eskimo Curlew	*Numenius borealis*	Endangered	Endangered	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2009)
Harlequin Duck	*Histrionicus histrionicus, Eastern population*	Special Concern	Special Concern	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2013)
Harris's Sparrow	*Zonotrichia querula*	Special Concern	No Status	No schedule	Possible	Within species breeding range. Species nests in small, isolated wooded areas with trees or tall shrubs that may be present adjacent to the study area.	COSEWIC (2017)
Horned Grebe	*Podiceps auritus, Western population*	Special Concern	Special Concern	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2009b)
Hudsonian Godwit	*Limosa haemastica*	Threatened	No Status	No Schedule	Nil	Species range does not include study area.	COSEWIC (2019)
Ivory Gull	*Pagophila eburnea*	Endangered	Endangered	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2001)
Lesser Yellowlegs	*Tringa flavipes*	Threatened	No Status	No Schedule	Possible	Within species breeding range. The wetlands that are present in the study area provide suitable breeding habitat.	COSEWIC (2020)
Olive-sided Flycatcher	*Contopus cooperi*	Special Concern	Threatened	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2007)
Peregrine Falcon anatum/tundrius	*Falco peregrinus anatum/tundrius*	Not at Risk	Special Concern	Schedule 1	Nil	Species range does include study area, but suitable cliff habitats for nesting do not occur at or near the study area.	COSEWIC (2007a)

Common Name	Scientific Name	COSEWIC Status	SARA		Presence at Study Area		
			Status	Schedule 1	Potential Presence	Species Presence Rationale	Reference
Red Knot islandica subspecies	*Calidris canutus islandica*	Not at Risk	Special Concern	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2007b)
Red Knot rufa subspecies	*Calidris canutus rufa*	Endangered	Endangered	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2007b)
Red-necked Phalarope	*Phalaropus lobatus*	Special Concern	Special Concern	Schedule 1	Possible	Within species breeding range. The wetlands present in the study area may provide suitable breeding habitat.	COSEWIC (2014)
Ross's Gull	*Rhodostethia rosea*	Threatened	Threatened	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2021)
Rusty Blackbird	*Euphagus carolinus*	Special Concern	Special Concern	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2006)
Short-eared Owl	*Asio flammeus*	Threatened	Special Concern	Schedule 1	Possible	Within species breeding range. The open habitat within the study area may provide suitable breeding habitat.	COSEWIC (2008a)
Terrestrial Mammals							
Barren ground Caribou	*Rangifer tarandus groendlandicus*	Threatened	No status	No Schedule	Possible	Within species range. Vegetation within the study area may provide suitable forage during the summer season.	COSEWIC (2011b); COSEWIC (2016a)
Dolphin and Union Caribou	*Rangifer tarandus*	Endangered	Special Concern	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2011b); COSEWIC (2016a)
Torngat Mountains Caribou	*Rangifer tarandus*	Endangered	No Status	No Schedule	Nil	Species range does not include study area.	COSEWIC (2011b); COSEWIC (2016a)
Peary Caribou	*Rangifer tarandus pearyi*	Threatened	Endangered	Schedule 1	Nil	Species range does not include study area.	COSEWIC (2011b); COSEWIC (2016a)
Grizzly Bear	*Ursus arctos, Western population*	Special Concern	Special Concern	Schedule 1	Possible	Within species range. The study area may provide suitable forage.	COSEWIC (2002)
Polar Bear	*Ursus maritimus*	Special Concern	Special Concern	Schedule 1	Possible	Within species range. Species may inhabit study area if forced inland due to loss of sea ice.	COSEWIC (2008b)
Wolverine	*Gulo gulo*	Special Concern	Special Concern	Schedule 1	Possible	Within species range. The study area may provide suitable forage.	COSEWIC (2014d)
Plants							
Porsild's Bryum	*Haplodontium macrocarpum*	Threatened	Threatened	Schedule 1	Nil	Species range does include study area, and suitable mountainous and rocky habitats with continuous seepage do not occur at or near the study area.	COSEWIC (2017a)

APPENDIX B

Detailed Data

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC1											
				Sample Name	CAMP1-SS1	CAMP1-SS2	CAMP2-SS1	CAMP2-SS2	CAMP3-SS1	CAMP3-SS2	CAMP4-SS1	CAMP4-SS2	CAMP5-SS1	CAMP5-SS2	CAMP5A-SS1	CAMP6-SS1
				Sample Date	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23
				Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213044-008	WT2213044-009	WT2213044-010	WT2213044-011	WT2213044-012	WT2213044-013	WT2213044-014	WT2213044-015	WT2213044-016	WT2213044-017	WT2213044-022	WT2213044-023
				Sample Depth	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3
General Chemistry				**RDL**												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	-	-	-	-	-	-	-	0.0245	-	-	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	2.1	1.5	1.35	1.01	1.09	1.68	7.7	2.12	4.78	1.62	2.26	2.17
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	-	-	-	-	-	-	-	2.45	-	-	<0.1
pH	pH units	6.93	6 - 8	0.1	-	-	-	-	-	-	-	-	3.62	-	-	4.6
Total Metals																
Aluminum	mg/kg	2710	ng	50	-	-	-	-	-	-	-	-	1250	-	-	1370
Antimony	mg/kg	0.23	20	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1
Arsenic	mg/kg	1.5	12	0.1	-	-	-	-	-	-	-	-	0.37	-	-	0.54
Barium	mg/kg	21.4	750	0.5	-	-	-	-	-	-	-	-	6.18	-	-	5.29
Beryllium	mg/kg	0.24	4	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	-	-	-	-	-	-	-	-	<0.2	-	-	<0.2
Boron	mg/kg	<7.1	ng	5	-	-	-	-	-	-	-	-	<5	-	-	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1
Cadmium	mg/kg	0.099	1.4	0.02	-	-	-	-	-	-	-	-	0.024	-	-	<0.02
Calcium	mg/kg	1260	ng	50	-	-	-	-	-	-	-	-	223	-	-	360
Chromium	mg/kg	6.16	64	0.5	-	-	-	-	-	-	-	-	1.93	-	-	4.95
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1
Cobalt	mg/kg	2.88	40	0.1	-	-	-	-	-	-	-	-	0.54	-	-	1.12
Copper	mg/kg	7.34	63	0.5	-	-	-	-	-	-	-	-	0.77	-	-	0.84
Iron	mg/kg	6150	ng	50	-	-	-	-	-	-	-	-	2680	-	-	5010
Lead	mg/kg	61.5	70	0.5	-	-	-	-	-	-	-	-	1.16	-	-	1.32
Lithium	mg/kg	5.4	ng	2	-	-	-	-	-	-	-	-	<2	-	-	2.1
Magnesium	mg/kg	1820	ng	20	-	-	-	-	-	-	-	-	489	-	-	768
Manganese	mg/kg	98.7	ng	1	-	-	-	-	-	-	-	-	18.7	-	-	34.1
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	-	-	-	-	-	0.0084	-	-	<0.005
Molybdenum	mg/kg	0.21	5	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1
Nickel	mg/kg	3.64	45	0.5	-	-	-	-	-	-	-	-	0.92	-	-	1.53
Phosphorus	mg/kg	236	ng	50	-	-	-	-	-	-	-	-	101	-	-	120
Potassium	mg/kg	580	ng	100	-	-	-	-	-	-	-	-	140	-	-	190
Selenium	mg/kg	<0.28	1	0.2	-	-	-	-	-	-	-	-	<0.2	-	-	<0.2
Silver	mg/kg	<0.14	20	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1
Sodium	mg/kg	<71	ng	50	-	-	-	-	-	-	-	-	<50	-	-	<50
Strontium	mg/kg	9.62	ng	0.5	-	-	-	-	-	-	-	-	5.31	-	-	6.8
Sulphur	mg/kg	<1400	500	1000	-	-	-	-	-	-	-	-	<1000	-	-	<1000
Thallium	mg/kg	<0.071	1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05
Tin	mg/kg	<2.8	5	2	-	-	-	-	-	-	-	-	<2	-	-	<2
Titanium	mg/kg	228	ng	1	-	-	-	-	-	-	-	-	91.9	-	-	143
Tungsten	mg/kg	<0.71	ng	0.5	-	-	-	-	-	-	-	-	<0.5	-	-	<0.5
Uranium	mg/kg	2.05	23	0.05	-	-	-	-	-	-	-	-	0.171	-	-	0.225
Vanadium	mg/kg	18.7	130	0.2	-	-	-	-	-	-	-	-	4.43	-	-	8.47
Zinc	mg/kg	12.2	250	2	-	-	-	-	-	-	-	-	6.3	-	-	6.5
Zirconium	mg/kg	1.9	ng	1	-	-	-	-	-	-	-	-	<1	-	-	1.1

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name													AP
				Sample Name	CAMP6-SS2	CAMP6-SS3	CAMP7-SS1	CAMP7-DUP	CAMP7-SS2	CAMP8-SS1	CAMP8-SS2	CAMP9-SS1	CAMP9-SS2	CAMP10-SS1	CAMP10-SS2	CAMP11-SS1	
				Sample Date	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-25	
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Job Number	WT2213044	WT2213046	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	
				Lab Sample ID	WT2213044-024	WT2213046-020	WT2213044-025	WT2213044-033	WT2213044-026	WT2213044-027	WT2213044-028	WT2213044-029	WT2213044-030	WT2213044-031	WT2213044-032	WT2213044-038	
				Sample Depth	0.5 - 0.6	-	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	
General Chemistry				RDL													
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	<0.001	<0.001	0.0029	0.0022	0.0026	-	-	-	-	-	-	0.0038	
Fines (<0.075mm)	%	10.5	ng	1	-	-	10.5	-	-	-	-	-	-	-	-	4.8	
Grain Size	-	na	ng	-	-	-	Coarse	-	-	-	-	-	-	-	-	Coarse	
Moisture	%	46	ng	0.1	2.39	1.65	4.25	3.42	3.58	2.74	2.84	1.81	1.64	3	2.01	2.1	
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	89.5	-	-	-	-	-	-	-	-	95.2	
Total Organic Carbon	%	10.6	ng	0.1	<0.1	<0.1	0.29	0.22	0.26	-	-	-	-	-	-	0.38	
pH	pH units	6.93	6 - 8	0.1	4.62	4.44	4.32	4.35	4.22	-	-	-	-	-	-	4.52	
Total Metals																	
Aluminum	mg/kg	2710	ng	50	1090	853	1800	1360	1410	-	-	-	-	-	-	2290	
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	<0.1	
Arsenic	mg/kg	1.5	12	0.1	0.52	0.31	0.61	0.71	0.45	-	-	-	-	-	-	0.54	
Barium	mg/kg	21.4	750	0.5	4.9	4.42	4.75	4.07	4.26	-	-	-	-	-	-	5.88	
Beryllium	mg/kg	0.24	4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	<0.1	
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	<0.2	
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	<5	<5	-	-	-	-	-	-	<5	
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	<0.1	-	-	-	-	-	-	-	-	<0.1	
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	-	0.029	
Calcium	mg/kg	1260	ng	50	311	243	333	204	200	-	-	-	-	-	-	385	
Chromium	mg/kg	6.16	64	0.5	1.56	0.88	3.71	2.13	2.2	-	-	-	-	-	-	3.15	
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	<0.1	-	-	-	-	-	-	-	-	<0.1	
Cobalt	mg/kg	2.88	40	0.1	0.8	0.8	0.96	0.83	0.84	-	-	-	-	-	-	1.16	
Copper	mg/kg	7.34	63	0.5	0.53	<0.5	0.65	0.53	0.52	-	-	-	-	-	-	1.61	
Iron	mg/kg	6150	ng	50	2510	1760	4750	3430	3340	-	-	-	-	-	-	4170	
Lead	mg/kg	61.5	70	0.5	0.9	0.68	1.42	1.14	1.09	-	-	-	-	-	-	1.64	
Lithium	mg/kg	5.4	ng	2	<2	<2	2.2	<2	<2	-	-	-	-	-	-	3.2	
Magnesium	mg/kg	1820	ng	20	531	404	815	630	655	-	-	-	-	-	-	1030	
Manganese	mg/kg	98.7	ng	1	30.2	36	42.9	41.2	39.8	-	-	-	-	-	-	51.5	
Mercury	mg/kg	0.0165	6.6	0.005	-	-	<0.005	-	-	-	-	-	-	-	-	0.0054	
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	<0.1	
Nickel	mg/kg	3.64	45	0.5	0.81	0.62	1.46	1.08	0.94	-	-	-	-	-	-	1.5	
Phosphorus	mg/kg	236	ng	50	105	84	121	94	70	-	-	-	-	-	-	161	
Potassium	mg/kg	580	ng	100	160	120	240	170	180	-	-	-	-	-	-	260	
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	<0.2	
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	<0.1	
Sodium	mg/kg	<71	ng	50	<50	<50	<50	<50	<50	-	-	-	-	-	-	<50	
Strontium	mg/kg	9.62	ng	0.5	6.42	4.44	6.59	5.28	5.37	-	-	-	-	-	-	6.01	
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	<1000	<1000	-	-	-	-	-	-	<1000	
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	
Tin	mg/kg	<2.8	5	2	<2	<2	<2	<2	<2	-	-	-	-	-	-	<2	
Titanium	mg/kg	228	ng	1	81	50.7	183	106	119	-	-	-	-	-	-	160	
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	
Uranium	mg/kg	2.05	23	0.05	0.24	0.14	0.235	0.176	0.157	-	-	-	-	-	-	0.248	
Vanadium	mg/kg	18.7	130	0.2	3.71	2.32	8.47	5.34	5.51	-	-	-	-	-	-	6.53	
Zinc	mg/kg	12.2	250	2	4.3	3.5	6	5	5	-	-	-	-	-	-	8	
Zirconium	mg/kg	1.9	ng	1	1.2	<1	<1	<1	<1	-	-	-	-	-	-	<1	

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	EC1											
				Sample Name	CAMP11-SS2	CAMP11-SS3	CAMP11A-SS1	CAMP12-SS1	CAMP12-SS2	CAMP12-SS3	CAMP12A-SS1	CAMP13-SS1	CAMP13-DUP	CAMP13-SS2	CAMP13-SS3	CAMP13A-SS1
				Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
				Lab Job Number	WT2213044	WT2213044	WT2213045	WT2213044	WT2213044	WT2213044	WT2213045	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213044-039	WT2213044-040	WT2213045-003	WT2213044-041	WT2213044-042	WT2213044-043	WT2213045-004	WT2213044-044	WT2213044-046	WT2213044-045	WT2213044-047	WT2213045-005
				Sample Depth	0.5 - 0.6	-	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	-	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	-	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	0.001	<0.001	-	0.0014	0.0017	<0.001	-	0.0015	0.0075	0.0014	<0.001	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	1.75	1.88	1.79	1.9	2.11	1.9	1.3	1.47	4.93	1.35	1.66	1.88
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	0.1	<0.1	-	0.14	0.17	<0.1	-	0.15	0.75	0.14	<0.1	-
pH	pH units	6.93	6 - 8	0.1	4.61	4.53	-	4.43	4.55	4.53	-	4.56	4.25	4.67	4.47	-
Total Metals																
Aluminum	mg/kg	2710	ng	50	2200	1390	-	1470	1190	1470	-	1460	1560	2420	2110	-
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	-
Arsenic	mg/kg	1.5	12	0.1	0.64	0.54	-	0.75	0.56	0.53	-	0.55	0.48	0.59	0.74	-
Barium	mg/kg	21.4	750	0.5	7.1	5.37	-	4.32	4.3	6.06	-	4.65	5.45	7.9	8.79	-
Beryllium	mg/kg	0.24	4	0.1	0.14	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	0.12	<0.1	-
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	-
Boron	mg/kg	<7.1	ng	5	<5	<5	-	<5	<5	<5	-	<5	<5	<5	<5	-
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	<0.02	-	<0.02	<0.02	<0.02	-	<0.02	0.099	0.025	0.021	-
Calcium	mg/kg	1260	ng	50	462	294	-	339	287	422	-	314	360	573	522	-
Chromium	mg/kg	6.16	64	0.5	5.12	2.34	-	2.22	2.36	2.54	-	2.18	2.34	3.01	2.41	-
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-
Cobalt	mg/kg	2.88	40	0.1	1.38	1.02	-	0.93	1.01	1.29	-	0.9	0.69	1.45	1.27	-
Copper	mg/kg	7.34	63	0.5	2.2	1.19	-	1.37	1.12	1.5	-	1.57	1.44	1.65	1.47	-
Iron	mg/kg	6150	ng	50	3730	3410	-	3460	4980	4190	-	3460	3550	4260	4150	-
Lead	mg/kg	61.5	70	0.5	1.46	1.41	-	1.39	1.49	1.39	-	1.47	2.51	1.67	1.89	-
Lithium	mg/kg	5.4	ng	2	4.2	<2	-	2.2	<2	2.6	-	<2	2.4	5.4	4.3	-
Magnesium	mg/kg	1820	ng	20	1310	734	-	779	628	849	-	735	658	1440	1130	-
Manganese	mg/kg	98.7	ng	1	43.3	34	-	31.6	39.7	47.8	-	31.8	26.8	52.6	48.8	-
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	<0.005	-	-	-	<0.005	0.0107	<0.005	-	-
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	-
Nickel	mg/kg	3.64	45	0.5	2.1	1.1	-	1.25	1.13	1.32	-	1.13	0.99	1.95	1.61	-
Phosphorus	mg/kg	236	ng	50	132	104	-	142	100	147	-	103	95	157	146	-
Potassium	mg/kg	580	ng	100	310	210	-	200	170	220	-	190	180	480	400	-
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	-
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	-
Sodium	mg/kg	<71	ng	50	<50	<50	-	<50	<50	<50	-	<50	<50	<50	<50	-
Strontium	mg/kg	9.62	ng	0.5	6.15	5.35	-	7.74	5.16	5.47	-	6.11	6.81	7.4	8.46	-
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	-	<1000	<1000	<1000	-	<1000	<1000	<1000	<1000	-
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	-
Tin	mg/kg	<2.8	5	2	<2	<2	-	<2	<2	<2	-	<2	<2	<2	<2	-
Titanium	mg/kg	228	ng	1	170	114	-	128	127	145	-	128	128	195	193	-
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-
Uranium	mg/kg	2.05	23	0.05	0.257	0.165	-	0.273	0.385	0.24	-	0.286	0.197	0.324	0.299	-
Vanadium	mg/kg	18.7	130	0.2	6.67	5.98	-	5.66	8.2	7.13	-	5.75	5.99	6.57	6.31	-
Zinc	mg/kg	12.2	250	2	8.9	5.7	-	5.4	4.8	5.9	-	5.8	10	9.9	9.2	-
Zirconium	mg/kg	1.9	ng	1	<1	<1	-	<1	1.1	<1	-	1.2	<1	<1	<1	-

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC1											
				Sample Name	CAMP14-SS1	CAMP14-SS2	CAMP14-SS3	CAMP14A-SS1	PS27-SS1	PS27-SS2	PS27-SS3	PS28-SS1	PS28-DUP	PS28-SS2	PS28-SS3	PS14-SS1
				Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-24
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Job Number	WT2213044	WT2213045	WT2213045	WT2213045	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045
				Lab Sample ID	WT2213044-048	WT2213045-001	WT2213045-002	WT2213045-006	WT2213044-001	WT2213044-002	WT2213044-003	WT2213044-004	WT2213044-007	WT2213044-005	WT2213044-006	WT2213045-031
				Sample Depth	0.2 - 0.3	0.5 - 0.6	-	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	0.0106	0.0116	<0.001	-	0.0022	<0.001	<0.001	0.0015	0.0013	<0.001	<0.001	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	1.6	2.3	-	-	2.3
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	Coarse	Coarse	-	-	Coarse
Moisture	%	46	ng	0.1	1.33	1.66	1.38	2.13	4.45	1.84	2.44	1.35	1.38	1.6	2	2.53
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	98.4	97.7	-	-	97.7
Total Organic Carbon	%	10.6	ng	0.1	1.06	1.16	<0.1	-	0.22	<0.1	<0.1	0.15	0.13	<0.1	<0.1	<0.1
pH	pH units	6.93	6 - 8	0.1	4.48	4.42	4.77	-	4.38	4.58	4.67	4.58	4.48	4.69	5.39	4.53
Total Metals																
Aluminum	mg/kg	2710	ng	50	1830	1860	2700	-	878	719	901	1400	1420	2110	1210	830
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	0.41	0.44	0.7	-	0.44	0.41	0.42	0.48	0.69	0.69	0.53	0.58
Barium	mg/kg	21.4	750	0.5	10.1	6.86	11.2	-	4.17	2.93	4.01	4.01	4.24	7.61	5.16	2.99
Beryllium	mg/kg	0.24	4	0.1	<0.1	<0.1	0.11	-	<0.1	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	-	<5	<5	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	-	-	<0.1
Cadmium	mg/kg	0.099	1.4	0.02	0.088	0.049	<0.02	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	1260	ng	50	309	237	882	-	191	205	215	309	340	554	246	216
Chromium	mg/kg	6.16	64	0.5	2.4	2.67	4.01	-	1.57	0.95	0.91	2.06	2.65	3.69	2.91	0.92
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	-	-	<0.1
Cobalt	mg/kg	2.88	40	0.1	0.68	0.8	1.99	-	0.4	0.45	0.69	0.87	0.99	1.71	1.26	0.52
Copper	mg/kg	7.34	63	0.5	4.09	3	2.01	-	0.77	0.51	0.54	1.07	1.27	2.94	1.11	<0.5
Iron	mg/kg	6150	ng	50	3620	3480	5050	-	1770	1500	1560	3990	4280	6000	3790	1840
Lead	mg/kg	61.5	70	0.5	7.14	12.1	1.96	-	8.21	0.81	1.51	1.28	1.8	1.69	1.69	1.26
Lithium	mg/kg	5.4	ng	2	2.1	<2	4.6	-	<2	<2	<2	<2	<2	3.9	<2	<2
Magnesium	mg/kg	1820	ng	20	560	642	1780	-	401	354	395	636	689	1190	631	402
Manganese	mg/kg	98.7	ng	1	22.4	27.2	70.5	-	17.4	18.4	29.2	27.7	30.7	59.2	50.7	21.2
Mercury	mg/kg	0.0165	6.6	0.005	0.0165	-	-	-	<0.005	-	-	<0.005	<0.005	-	-	<0.005
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	1.02	1.12	2.64	-	0.64	0.59	0.77	1.1	1.38	1.81	1.2	0.59
Phosphorus	mg/kg	236	ng	50	153	135	203	-	52	64	68	115	134	153	76	80
Potassium	mg/kg	580	ng	100	190	170	540	-	120	110	120	180	180	300	170	110
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	<50	<50	<50	-	<50	<50	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	6.57	5.07	8.39	-	5.52	5.88	6.04	6.27	7.24	6.88	5.13	6.83
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	-	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	<2	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2
Titanium	mg/kg	228	ng	1	82.6	44.4	197	-	58.6	50.2	52.5	101	117	228	106	64
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	0.239	0.22	0.433	-	0.102	0.14	0.133	0.292	0.273	0.229	0.187	0.175
Vanadium	mg/kg	18.7	130	0.2	5.81	5.88	7.34	-	2.54	2.25	2.22	6.97	7.52	10.6	6.25	2.53
Zinc	mg/kg	12.2	250	2	7.4	6.8	11	-	6.1	2.5	5.4	5	5.4	8.9	5	3.5
Zirconium	mg/kg	1.9	ng	1	<1	<1	1.6	-	<1	<1	<1	<1	<1	1.2	<1	<1

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
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Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC1											
				Sample Name	PS14-SS2	PS14-SS3	PS15-SS1	PS15-DUP	PS15-SS2	PS15-SS3	PS20-SS1	PS20-SS2	PS20-SS3	PS21-SS1	PS21-DUP	PS21-SS2
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
				Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213045-032	WT2213045-033	WT2213045-034	WT2213045-037	WT2213045-035	WT2213045-036	WT2213045-007	WT2213045-008	WT2213045-009	WT2213045-011	WT2213045-010	WT2213045-012
				Sample Depth	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.0014	0.0026	<0.001	0.0021	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	2.4	2.1	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	Coarse	Coarse	-
Moisture	%	46	ng	0.1	2.6	1.54	2.94	3.8	1.62	5.69	2.5	4.29	4.32	2.17	3.12	2.66
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	97.6	97.9	-
Total Organic Carbon	%	10.6	ng	0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.14	0.26	<0.1	0.21	<0.1
pH	pH units	6.93	6 - 8	0.1	4.61	4.56	4.53	4.56	4.58	4.53	4.63	4.62	4.65	4.66	4.6	4.58
Total Metals																
Aluminum	mg/kg	2710	ng	50	880	1170	2090	1490	1120	2630	959	2450	1780	2450	1800	2120
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	0.51	0.6	0.79	0.59	0.53	0.84	0.46	0.72	0.59	0.72	0.82	0.83
Barium	mg/kg	21.4	750	0.5	3.34	5.32	8.3	5.69	4.36	12.6	3.86	8.37	7.03	9.08	6.2	8.01
Beryllium	mg/kg	0.24	4	0.1	<0.1	<0.1	0.11	<0.1	<0.1	0.12	<0.1	0.11	<0.1	<0.1	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	<0.02	0.039	<0.02	<0.02	0.021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	1260	ng	50	246	326	492	387	264	678	203	500	456	557	427	559
Chromium	mg/kg	6.16	64	0.5	1.25	1.98	3.64	2.98	1.62	6.16	2.12	3.74	2.6	3.53	2.48	3.37
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1
Cobalt	mg/kg	2.88	40	0.1	0.64	1.06	1.43	1.25	0.82	2.24	0.6	1.5	1.13	1.61	1.19	1.39
Copper	mg/kg	7.34	63	0.5	<0.5	0.75	0.86	0.78	0.56	1.44	<0.5	1.07	0.95	1.06	0.82	1.18
Iron	mg/kg	6150	ng	50	2070	3120	4530	3860	3010	5740	2520	4740	3730	4370	3530	4200
Lead	mg/kg	61.5	70	0.5	1.02	1.46	2.6	2.91	1.2	2.11	5.41	2.12	2.11	1.6	1.84	2.6
Lithium	mg/kg	5.4	ng	2	<2	<2	3.1	<2	<2	4.8	<2	4.4	2.8	4.5	2.7	3.4
Magnesium	mg/kg	1820	ng	20	458	692	1080	722	625	1820	436	1230	892	1550	944	1200
Manganese	mg/kg	98.7	ng	1	24.8	36.3	56.4	36.8	32.8	77.8	28.1	72.8	45.8	69.2	51.6	59.6
Mercury	mg/kg	0.0165	6.6	0.005	-	-	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	<0.005	<0.005
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	0.81	1.26	1.96	1.26	0.96	3	0.71	1.79	1.51	2.26	1.53	2.13
Phosphorus	mg/kg	236	ng	50	96	104	169	137	103	195	84	160	136	129	154	182
Potassium	mg/kg	580	ng	100	140	200	310	220	180	580	130	340	240	480	240	380
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	5.94	7.1	9.1	7.24	7.45	8.56	5.59	8.42	7.92	8.7	9.18	8.86
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Titanium	mg/kg	228	ng	1	52.8	95.7	161	119	72.8	223	56.8	167	120	167	115	161
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	0.209	0.255	0.356	0.299	0.185	0.368	0.226	0.296	0.366	0.332	0.278	0.343
Vanadium	mg/kg	18.7	130	0.2	2.93	4.54	7.58	6.19	4.3	9.22	3.09	7.37	5.56	6.49	5.3	5.86
Zinc	mg/kg	12.2	250	2	3.8	6	9.3	8.6	4.9	11.9	4.5	8.8	6.9	9.7	7	8.5
Zirconium	mg/kg	1.9	ng	1	<1	1.3	<1	<1	<1	1.9	<1	<1	<1	1.3	<1	1.6

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC2											
				Sample Name	PS21-SS3	PS22-SS1	PS22-SS2	PS22-SS3	PS24-SS1	PS24-DUP	PS24-SS2	PS24-SS3	SITE1-1-SS1	SITE1-DUP	SITE1-1-SS2	SITE1-2-SS1
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
				Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213045-013	WT2213045-014	WT2213045-015	WT2213045-016	WT2213045-038	WT2213045-053	WT2213045-039	WT2213045-040	WT2213045-041	WT2213045-043	WT2213045-042	WT2213045-044
				Sample Depth	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	<0.001	0.0011	<0.001	<0.001	<0.001	-	<0.001	<0.001	-	-	-	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	2.7	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	Coarse	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	1.42	2.99	2	2.1	2.12	2.09	2.43	1.43	2.35	2.08	1.98	2.35
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	97.3	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	<0.1	0.11	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
pH	pH units	6.93	6 - 8	0.1	4.59	4.55	4.65	4.53	4.59	-	4.64	4.6	-	-	-	-
Total Metals																
Aluminum	mg/kg	2710	ng	50	1860	1940	1090	1110	1220	1430	947	1070	-	-	-	-
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.23	-	-	-	-
Arsenic	mg/kg	1.5	12	0.1	0.68	0.55	0.68	0.51	0.48	0.64	0.63	0.46	-	-	-	-
Barium	mg/kg	21.4	750	0.5	7.06	6.1	4.83	5.53	4.48	5.99	4.35	4.56	-	-	-	-
Beryllium	mg/kg	0.24	4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	-
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	<0.02	<0.02	<0.02	0.034	0.034	0.022	0.02	-	-	-	-
Calcium	mg/kg	1260	ng	50	433	402	310	298	283	399	254	353	-	-	-	-
Chromium	mg/kg	6.16	64	0.5	2.46	2.74	1.67	1.41	1.95	2.59	1.59	2.01	-	-	-	-
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	-
Cobalt	mg/kg	2.88	40	0.1	1.13	1.18	0.77	0.8	0.89	0.98	0.68	0.74	-	-	-	-
Copper	mg/kg	7.34	63	0.5	0.73	0.87	0.64	0.69	0.62	0.81	0.54	0.6	-	-	-	-
Iron	mg/kg	6150	ng	50	3520	3470	2220	2250	2710	3400	2340	2690	-	-	-	-
Lead	mg/kg	61.5	70	0.5	1.66	1.61	1.24	1.18	1.22	1.36	1.02	1.4	-	-	-	-
Lithium	mg/kg	5.4	ng	2	3.2	3.3	<2	<2	<2	2.5	<2	<2	-	-	-	-
Magnesium	mg/kg	1820	ng	20	1080	1060	630	630	636	741	497	576	-	-	-	-
Manganese	mg/kg	98.7	ng	1	46.4	47.4	37.6	32.9	34.2	38.7	27.7	27.3	-	-	-	-
Mercury	mg/kg	0.0165	6.6	0.005	-	<0.005	-	-	<0.005	<0.005	-	-	-	-	-	-
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-
Nickel	mg/kg	3.64	45	0.5	1.65	1.75	1.13	1.14	1.17	1.2	0.79	1.02	-	-	-	-
Phosphorus	mg/kg	236	ng	50	117	127	103	102	118	136	75	106	-	-	-	-
Potassium	mg/kg	580	ng	100	350	290	170	180	180	200	140	170	-	-	-	-
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-
Sodium	mg/kg	<71	ng	50	<50	<50	<50	<50	<50	<50	<50	<50	-	-	-	-
Strontium	mg/kg	9.62	ng	0.5	9.62	6.98	7.74	6.66	6.27	8.23	7.56	5.74	-	-	-	-
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	-	-	-	-
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-
Tin	mg/kg	<2.8	5	2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-
Titanium	mg/kg	228	ng	1	139	127	63	79.4	76.7	113	65.1	84.7	-	-	-	-
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-
Uranium	mg/kg	2.05	23	0.05	0.38	0.27	0.212	0.208	0.219	0.304	0.182	0.264	-	-	-	-
Vanadium	mg/kg	18.7	130	0.2	5.16	5.12	3.05	2.97	4.03	5.24	3.65	4.33	-	-	-	-
Zinc	mg/kg	12.2	250	2	7.4	6.6	4.4	4.6	6.2	5.3	3.8	4.3	-	-	-	-
Zirconium	mg/kg	1.9	ng	1	1.1	<1	1.1	1.4	<1	<1	<1	<1	-	-	-	-

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	EC2							
				Sample Name	SITE1-2-SS2	SITE1-3-SS1	SITE1-3-SS2	SITE1-4-SS1	SITE1-4-SS2	SITE1-5-SS1	SITE1-5-DUP	SITE1-5-SS2
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
				Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213046	WT2213046	WT2213046	WT2213046
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213045-045	WT2213045-046	WT2213045-047	WT2213045-048	WT2213046-001	WT2213046-008	WT2213046-010	WT2213046-009
				Sample Depth	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
General Chemistry				RDL								
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	<0.001	<0.001	-	-	0.0174	0.0127	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	2.28	3.21	1.4	4.45	3.32	2.05	<0.25	1.86
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	<0.1	<0.1	-	-	1.74	1.27	<0.1
pH	pH units	6.93	6 - 8	0.1	-	6.93	6.53	-	-	3.74	4.24	4.73
Total Metals												
Aluminum	mg/kg	2710	ng	50	-	1620	1400	-	-	2080	1260	1510
Antimony	mg/kg	0.23	20	0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	-	0.6	0.4	-	-	0.52	0.71	0.53
Barium	mg/kg	21.4	750	0.5	-	7.01	7.29	-	-	6.06	4.57	5.8
Beryllium	mg/kg	0.24	4	0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	-	<0.2	<0.2	-	-	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	-	<5	<5	-	-	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	0.12	-	-	-	<0.1	<0.1	<0.1
Cadmium	mg/kg	0.099	1.4	0.02	-	0.041	<0.02	-	-	0.089	0.047	<0.02
Calcium	mg/kg	1260	ng	50	-	822	537	-	-	258	236	344
Chromium	mg/kg	6.16	64	0.5	-	2.92	2	-	-	2.74	2.24	1.98
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	<0.1	-	-	-	<0.1	<0.1	<0.1
Cobalt	mg/kg	2.88	40	0.1	-	1.07	0.96	-	-	0.65	0.63	1.07
Copper	mg/kg	7.34	63	0.5	-	0.88	0.76	-	-	1.43	4.79	0.75
Iron	mg/kg	6150	ng	50	-	4100	2070	-	-	4600	3610	3160
Lead	mg/kg	61.5	70	0.5	-	2.15	1.39	-	-	8.18	61.5	1.26
Lithium	mg/kg	5.4	ng	2	-	2.9	2.8	-	-	2.2	<2	3.6
Magnesium	mg/kg	1820	ng	20	-	847	927	-	-	603	528	854
Manganese	mg/kg	98.7	ng	1	-	44.9	40.4	-	-	25.5	25.9	42.8
Mercury	mg/kg	0.0165	6.6	0.005	-	<0.005	-	-	-	0.0158	0.0073	<0.005
Molybdenum	mg/kg	0.21	5	0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	-	1.34	1.25	-	-	1.02	0.92	1.31
Phosphorus	mg/kg	236	ng	50	-	149	145	-	-	184	111	95
Potassium	mg/kg	580	ng	100	-	240	280	-	-	200	180	250
Selenium	mg/kg	<0.28	1	0.2	-	<0.2	<0.2	-	-	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	-	<50	<50	-	-	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	-	7.71	4.24	-	-	5.56	6.67	6.35
Sulphur	mg/kg	<1400	500	1000	-	<1000	<1000	-	-	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	-	<0.05	<0.05	-	-	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	-	<2	<2	-	-	<2	<2	<2
Titanium	mg/kg	228	ng	1	-	121	90.8	-	-	107	101	96.9
Tungsten	mg/kg	<0.71	ng	0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	-	0.245	0.311	-	-	0.328	0.216	0.225
Vanadium	mg/kg	18.7	130	0.2	-	6.22	3.25	-	-	7.31	5.6	4.38
Zinc	mg/kg	12.2	250	2	-	12.2	7.3	-	-	4.9	5.2	5.6
Zirconium	mg/kg	1.9	ng	1	-	<1	1	-	-	<1	<1	<1

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
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Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC2											
				Sample Name	SITE 1-5A-SS1	SITE1-6-SS1	SITE1-6-SS2	SITE1-6A-SS1	SITE1-7-SS1	SITE1-7-SS2	SITE1-7A-SS1	SITE1-8-SS1	SITE1-8-SS2	SITE1-8A-SS1	SITE1-9-SS1	SITE1-9-DUP
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
				Lab Job Number	WT2213045	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213045-052	WT2213046-011	WT2213046-012	WT2213046-013	WT2213046-014	WT2213046-015	WT2213046-016	WT2213046-017	WT2213046-018	WT2213046-019	WT2213045-017	WT2213045-019
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	0.0092	-	-	-	-	-	-	-	-	-	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	2.04	2.09	2	1.42	<0.25	1.82	2.64	2.34	1.79	1.59	1.76	2
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	0.92	-	-	-	-	-	-	-	-	-	-
pH	pH units	6.93	6 - 8	0.1	-	4.81	-	-	-	-	-	-	-	-	-	-
Total Metals																
Aluminum	mg/kg	2710	ng	50	-	1450	-	-	-	-	-	-	-	-	-	-
Antimony	mg/kg	0.23	20	0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	1.5	12	0.1	-	0.46	-	-	-	-	-	-	-	-	-	-
Barium	mg/kg	21.4	750	0.5	-	5.69	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	0.24	4	0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
Bismuth	mg/kg	<0.28	ng	0.2	-	<0.2	-	-	-	-	-	-	-	-	-	-
Boron	mg/kg	<7.1	ng	5	-	<5	-	-	-	-	-	-	-	-	-	-
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	0.099	1.4	0.02	-	0.026	-	-	-	-	-	-	-	-	-	-
Calcium	mg/kg	1260	ng	50	-	329	-	-	-	-	-	-	-	-	-	-
Chromium	mg/kg	6.16	64	0.5	-	2.37	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	2.88	40	0.1	-	0.81	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	7.34	63	0.5	-	0.8	-	-	-	-	-	-	-	-	-	-
Iron	mg/kg	6150	ng	50	-	3600	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	61.5	70	0.5	-	3.33	-	-	-	-	-	-	-	-	-	-
Lithium	mg/kg	5.4	ng	2	-	2.9	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg	1820	ng	20	-	687	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	98.7	ng	1	-	35.5	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	0.0165	6.6	0.005	-	<0.005	-	-	-	-	-	-	-	-	-	-
Molybdenum	mg/kg	0.21	5	0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	3.64	45	0.5	-	1.09	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	236	ng	50	-	100	-	-	-	-	-	-	-	-	-	-
Potassium	mg/kg	580	ng	100	-	220	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	<0.28	1	0.2	-	<0.2	-	-	-	-	-	-	-	-	-	-
Silver	mg/kg	<0.14	20	0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
Sodium	mg/kg	<71	ng	50	-	<50	-	-	-	-	-	-	-	-	-	-
Strontium	mg/kg	9.62	ng	0.5	-	6.19	-	-	-	-	-	-	-	-	-	-
Sulphur	mg/kg	<1400	500	1000	-	<1000	-	-	-	-	-	-	-	-	-	-
Thallium	mg/kg	<0.071	1	0.05	-	<0.05	-	-	-	-	-	-	-	-	-	-
Tin	mg/kg	<2.8	5	2	-	<2	-	-	-	-	-	-	-	-	-	-
Titanium	mg/kg	228	ng	1	-	106	-	-	-	-	-	-	-	-	-	-
Tungsten	mg/kg	<0.71	ng	0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
Uranium	mg/kg	2.05	23	0.05	-	0.181	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	18.7	130	0.2	-	5.63	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	12.2	250	2	-	5.4	-	-	-	-	-	-	-	-	-	-
Zirconium	mg/kg	1.9	ng	1	-	<1	-	-	-	-	-	-	-	-	-	-

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name				
				Sample Name	SITE1-9-SS2	SITE1-9A-SS1	SITE1-10-SS1	SITE1-10-SS2
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045
				Lab Sample ID	WT2213045-018	WT2213045-027	WT2213045-020	WT2213045-021
				Sample Depth	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
General Chemistry				RDL				
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	-	-	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-
Moisture	%	46	ng	0.1	2.18	2.16	4.12	1.98
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	-	-	-
pH	pH units	6.93	6 - 8	0.1	-	-	-	-
Total Metals								
Aluminum	mg/kg	2710	ng	50	-	-	-	-
Antimony	mg/kg	0.23	20	0.1	-	-	-	-
Arsenic	mg/kg	1.5	12	0.1	-	-	-	-
Barium	mg/kg	21.4	750	0.5	-	-	-	-
Beryllium	mg/kg	0.24	4	0.1	-	-	-	-
Bismuth	mg/kg	<0.28	ng	0.2	-	-	-	-
Boron	mg/kg	<7.1	ng	5	-	-	-	-
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	-
Cadmium	mg/kg	0.099	1.4	0.02	-	-	-	-
Calcium	mg/kg	1260	ng	50	-	-	-	-
Chromium	mg/kg	6.16	64	0.5	-	-	-	-
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	-
Cobalt	mg/kg	2.88	40	0.1	-	-	-	-
Copper	mg/kg	7.34	63	0.5	-	-	-	-
Iron	mg/kg	6150	ng	50	-	-	-	-
Lead	mg/kg	61.5	70	0.5	-	-	-	-
Lithium	mg/kg	5.4	ng	2	-	-	-	-
Magnesium	mg/kg	1820	ng	20	-	-	-	-
Manganese	mg/kg	98.7	ng	1	-	-	-	-
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	-
Molybdenum	mg/kg	0.21	5	0.1	-	-	-	-
Nickel	mg/kg	3.64	45	0.5	-	-	-	-
Phosphorus	mg/kg	236	ng	50	-	-	-	-
Potassium	mg/kg	580	ng	100	-	-	-	-
Selenium	mg/kg	<0.28	1	0.2	-	-	-	-
Silver	mg/kg	<0.14	20	0.1	-	-	-	-
Sodium	mg/kg	<71	ng	50	-	-	-	-
Strontium	mg/kg	9.62	ng	0.5	-	-	-	-
Sulphur	mg/kg	<1400	500	1000	-	-	-	-
Thallium	mg/kg	<0.071	1	0.05	-	-	-	-
Tin	mg/kg	<2.8	5	2	-	-	-	-
Titanium	mg/kg	228	ng	1	-	-	-	-
Tungsten	mg/kg	<0.71	ng	0.5	-	-	-	-
Uranium	mg/kg	2.05	23	0.05	-	-	-	-
Vanadium	mg/kg	18.7	130	0.2	-	-	-	-
Zinc	mg/kg	12.2	250	2	-	-	-	-
Zirconium	mg/kg	1.9	ng	1	-	-	-	-

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
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Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name				APEC2			APEC3					
				Sample Name	SITE1-10A-SS1	SITE1-11A-SS1	SITE1-12-SS1	SITE1-12-DUP	SITE1-12-SS2	SITE1-12A-SS1	PS2-SS1	PS2-SS2	PS2-DUP	PS2-SS3	PS4-SS1	PS4-SS2
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
				Lab Sample ID	WT2213045-028	WT2213045-029	WT2213045-024	WT2213045-026	WT2213045-025	WT2213045-030	WT2213042-016	WT2213042-017	WT2213042-037	WT2213042-018	WT2213042-019	WT2213042-020
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.8 - 0.9	0.8 - 0.9	-	0.2 - 0.3	0.5 - 0.6
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	-	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	1.77	1.82	2.39	2.69	2.22	2.34	1.67	2.52	1.51	11.3	2.44	9.12
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH	pH units	6.93	6 - 8	0.1	-	-	-	-	-	-	4.5	4.76	4.65	5.4	4.44	4.32
Total Metals																
Aluminum	mg/kg	2710	ng	50	-	-	-	-	-	-	1190	2420	1150	964	1010	653
Antimony	mg/kg	0.23	20	0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	-	-	-	-	-	-	0.44	1.09	0.53	0.47	0.56	0.38
Barium	mg/kg	21.4	750	0.5	-	-	-	-	-	-	5.26	12.6	4.87	5.28	4.3	4.24
Beryllium	mg/kg	0.24	4	0.1	-	-	-	-	-	-	<0.1	0.15	<0.1	<0.1	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	-
Cadmium	mg/kg	0.099	1.4	0.02	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	1260	ng	50	-	-	-	-	-	-	322	730	326	239	177	160
Chromium	mg/kg	6.16	64	0.5	-	-	-	-	-	-	1.62	5.33	1.82	1.17	1.39	0.83
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	-
Cobalt	mg/kg	2.88	40	0.1	-	-	-	-	-	-	0.98	2.88	0.8	0.76	0.54	0.36
Copper	mg/kg	7.34	63	0.5	-	-	-	-	-	-	0.7	2.12	0.59	1.1	0.56	<0.5
Iron	mg/kg	6150	ng	50	-	-	-	-	-	-	2600	6150	3480	2050	3060	1320
Lead	mg/kg	61.5	70	0.5	-	-	-	-	-	-	1.95	18.2	1.64	1.83	2.77	1.15
Lithium	mg/kg	5.4	ng	2	-	-	-	-	-	-	<2	4.7	<2	<2	<2	<2
Magnesium	mg/kg	1820	ng	20	-	-	-	-	-	-	653	1470	592	585	508	366
Manganese	mg/kg	98.7	ng	1	-	-	-	-	-	-	36.1	98.7	30.2	35.5	18.8	11.8
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	-	-	-	<0.005	-	<0.005	-	<0.005	-
Molybdenum	mg/kg	0.21	5	0.1	-	-	-	-	-	-	<0.1	0.12	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	-	-	-	-	-	-	1.06	2.38	0.93	0.79	0.82	0.52
Phosphorus	mg/kg	236	ng	50	-	-	-	-	-	-	86	236	114	57	63	52
Potassium	mg/kg	580	ng	100	-	-	-	-	-	-	170	400	170	180	150	120
Selenium	mg/kg	<0.28	1	0.2	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	-	-	-	-	-	-	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	-	-	-	-	-	-	5.25	7.2	6.59	5.85	4.86	5.02
Sulphur	mg/kg	<1400	500	1000	-	-	-	-	-	-	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2
Titanium	mg/kg	228	ng	1	-	-	-	-	-	-	96	218	100	93.3	62.6	38
Tungsten	mg/kg	<0.71	ng	0.5	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	-	-	-	-	-	-	0.183	0.417	0.213	0.281	0.156	0.123
Vanadium	mg/kg	18.7	130	0.2	-	-	-	-	-	-	4.11	10.4	5.99	3.05	3.16	1.8
Zinc	mg/kg	12.2	250	2	-	-	-	-	-	-	4.3	9.9	4.4	3.4	4.4	2.6
Zirconium	mg/kg	1.9	ng	1	-	-	-	-	-	-	<1	<1	<1	<1	<1	1

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
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Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name													AP
				Sample Name	PS4-SS3	PS5-SS1	PS5-SS2	PS5-SS3	PS7-SS1	PS7-SS2	PS7-DUP	PS7-SS3	PS11-SS1	PS11-SS2	PS11-SS3	PS12-SS1	
				Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	
				Lab Sample ID	WT2213042-021	WT2213042-022	WT2213042-023	WT2213042-024	WT2213042-025	WT2213042-026	WT2213042-038	WT2213042-027	WT2213042-028	WT2213042-029	WT2213042-030	WT2213042-031	
				Sample Depth	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	
General Chemistry				RDL													
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	0.0113	0.106	<0.001	
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-	
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-	
Moisture	%	46	ng	0.1	21.2	2.87	3.23	6.7	1.64	3.36	2.18	2.58	6.72	6.94	46	4.13	
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Carbon	%	10.6	ng	0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	1.13	10.6	<0.1	
pH	pH units	6.93	6 - 8	0.1	4.6	5.02	5.14	5.65	5.72	6.49	4.75	6.38	4.74	4.66	5.09	4.47	
Total Metals																	
Aluminum	mg/kg	2710	ng	50	695	1030	654	672	972	1120	1420	1330	895	906	2710	787	
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Arsenic	mg/kg	1.5	12	0.1	0.33	0.43	0.4	0.32	0.4	0.38	0.45	0.51	0.31	0.55	1.49	0.3	
Barium	mg/kg	21.4	750	0.5	4.26	4.32	3.83	3.43	3.97	6.48	7.28	7.56	4.78	4.16	17.8	3.8	
Beryllium	mg/kg	0.24	4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.21	<0.1	
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	<0.1	
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.054	<0.02	
Calcium	mg/kg	1260	ng	50	216	236	249	235	262	317	358	482	242	272	1260	169	
Chromium	mg/kg	6.16	64	0.5	0.99	1.55	1.03	1.12	1.45	1.45	2.51	3.36	1.12	1.1	4.44	0.87	
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	<0.1	
Cobalt	mg/kg	2.88	40	0.1	0.58	0.58	0.47	0.42	0.66	0.9	0.92	1.12	0.45	0.43	1.03	0.28	
Copper	mg/kg	7.34	63	0.5	0.63	0.53	0.52	0.58	0.56	0.84	0.81	1.22	<0.5	<0.5	7.34	<0.5	
Iron	mg/kg	6150	ng	50	1720	2650	2580	1890	2120	2900	3510	3800	1820	2000	1750	1020	
Lead	mg/kg	61.5	70	0.5	1.49	5.53	2.42	1.83	1.08	1.41	1.62	1.45	0.81	0.81	1.23	0.98	
Lithium	mg/kg	5.4	ng	2	<2	<2	<2	<2	<2	<2	2.2	2.2	<2	<2	3.1	<2	
Magnesium	mg/kg	1820	ng	20	412	504	343	362	512	694	750	926	449	433	791	325	
Manganese	mg/kg	98.7	ng	1	22.6	20.5	14.7	14.1	24	35.6	34.9	37.4	16.3	15.3	40.9	10	
Mercury	mg/kg	0.0165	6.6	0.005	-	<0.005	-	-	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	
Nickel	mg/kg	3.64	45	0.5	0.69	0.82	0.54	0.56	0.77	0.9	1.16	1.4	0.6	0.6	3.26	<0.5	
Phosphorus	mg/kg	236	ng	50	58	71	65	65	59	83	107	82	55	78	198	55	
Potassium	mg/kg	580	ng	100	130	160	130	140	150	310	220	310	130	120	160	100	
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Sodium	mg/kg	<71	ng	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
Strontium	mg/kg	9.62	ng	0.5	4.43	4.95	5	5.16	5.82	5.13	5.65	5.73	5.06	5.85	8.5	5.08	
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Tin	mg/kg	<2.8	5	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Titanium	mg/kg	228	ng	1	47	68.2	54.1	46.3	71.8	102	130	128	74.1	69.5	109	50.8	
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Uranium	mg/kg	2.05	23	0.05	0.15	0.173	0.184	0.163	0.164	0.198	0.29	0.257	0.154	0.136	1.79	0.139	
Vanadium	mg/kg	18.7	130	0.2	2.31	3.8	3.4	2.55	2.85	3.67	5.63	5.75	3.09	4.42	13.8	2.23	
Zinc	mg/kg	12.2	250	2	5.8	5.7	5.7	2.5	3.2	4.9	4.9	5.5	2.9	2.8	9.6	2.1	
Zirconium	mg/kg	1.9	ng	1	<1	<1	<1	<1	<1	1.3	<1	1.4	<1	<1	1	<1	

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	EC3											
				Sample Name	PS12-DUP	PS12-SS2	PS12-SS3	PS13-SS1	PS13-SS2	PS13-SS3	SITE2-1-SS1	SITE2-1-DUP	SITE2-1-SS2	SITE2-2-SS1	SITE2-2-SS2	SITE2-3-SS1
				Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213042-039	WT2213042-032	WT2213042-033	WT2213042-034	WT2213042-035	WT2213042-036	WT2213042-040	WT2213042-042	WT2213042-041	WT2213042-043	WT2213042-044	WT2213042-045
				Sample Depth	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	0.0033	0.053	0.0124	<0.001	<0.001	<0.001	<0.001	<0.001	0.0578	0.0011	-	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	1.4	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	Coarse	-	-
Moisture	%	46	ng	0.1	7.87	31.1	22.9	3.6	5.08	15.8	4.7	6.39	40.6	6.36	39.4	6.29
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	98.6	-	-
Total Organic Carbon	%	10.6	ng	0.1	0.33	5.3	1.24	<0.1	<0.1	<0.1	<0.1	<0.1	5.78	0.11	-	-
pH	pH units	6.93	6 - 8	0.1	4.49	4.21	4.5	4.5	4.6	4.66	4.28	4.62	5.23	4.66	-	-
Total Metals																
Aluminum	mg/kg	2710	ng	50	589	2680	1040	1330	781	1170	664	912	2620	909	-	-
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.14	<0.1	-	-
Arsenic	mg/kg	1.5	12	0.1	0.24	1	0.35	0.54	0.35	0.57	0.25	0.32	1.5	0.42	-	-
Barium	mg/kg	21.4	750	0.5	3.12	17.3	7.18	6.32	4.71	7.35	3.01	5.14	21.4	4.68	-	-
Beryllium	mg/kg	0.24	4	0.1	<0.1	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.22	<0.1	-	-
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.28	<0.2	-	-
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<7.1	<5	-	-
Boron, hot water soluble	mg/kg	0.14	2	0.1	<0.1	0.13	-	<0.1	-	-	<0.1	<0.1	0.14	<0.1	-	-
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	0.076	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.076	<0.02	-	-
Calcium	mg/kg	1260	ng	50	110	422	225	407	229	353	132	261	977	206	-	-
Chromium	mg/kg	6.16	64	0.5	0.75	4.88	1.94	2.29	1.02	1.74	0.92	1.22	4.73	1.08	-	-
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	-	-
Cobalt	mg/kg	2.88	40	0.1	0.22	1.12	0.42	0.68	0.52	0.93	0.29	0.48	1.03	0.46	-	-
Copper	mg/kg	7.34	63	0.5	<0.5	6.07	1.59	0.71	0.81	1.19	<0.5	<0.5	6.49	<0.5	-	-
Iron	mg/kg	6150	ng	50	944	2320	1060	3990	1870	2750	1230	1790	1500	1510	-	-
Lead	mg/kg	61.5	70	0.5	0.74	1.12	0.77	1.83	1.5	1.94	0.77	0.87	1.09	0.81	-	-
Lithium	mg/kg	5.4	ng	2	<2	2.6	<2	<2	<2	<2	<2	<2	<2.8	<2	-	-
Magnesium	mg/kg	1820	ng	20	252	661	369	695	444	716	326	446	682	457	-	-
Manganese	mg/kg	98.7	ng	1	7.9	24.1	12.5	25.7	15.6	33.6	10.8	16.6	46.9	15.7	-	-
Mercury	mg/kg	0.0165	6.6	0.005	<0.005	0.012	-	<0.005	-	-	<0.005	<0.005	0.01	<0.005	-	-
Molybdenum	mg/kg	0.21	5	0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.21	<0.1	-	-
Nickel	mg/kg	3.64	45	0.5	<0.5	3.42	1.03	1.26	0.66	1.14	<0.5	0.67	3.64	0.62	-	-
Phosphorus	mg/kg	236	ng	50	<50	157	61	120	52	92	<50	75	184	73	-	-
Potassium	mg/kg	580	ng	100	<100	130	110	200	150	220	100	110	<140	110	-	-
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.28	<0.2	-	-
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.14	<0.1	-	-
Sodium	mg/kg	<71	ng	50	<50	<50	<50	<50	<50	<50	<50	<50	<71	<50	-	-
Strontium	mg/kg	9.62	ng	0.5	3.89	4.82	4.2	5.47	4.75	6.22	4.01	4.24	7.33	4.96	-	-
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1400	<1000	-	-
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.071	<0.05	-	-
Tin	mg/kg	<2.8	5	2	<2	<2	<2	<2	<2	<2	<2	<2	<2.8	<2	-	-
Titanium	mg/kg	228	ng	1	36.3	98.9	56.7	107	59.6	101	43.3	75.7	109	59.7	-	-
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.71	<0.5	-	-
Uranium	mg/kg	2.05	23	0.05	0.094	1.65	0.415	0.262	0.17	0.235	0.104	0.183	2.05	0.164	-	-
Vanadium	mg/kg	18.7	130	0.2	1.87	15	3.69	5.32	2.5	4.14	2.27	3.54	18.7	3.14	-	-
Zinc	mg/kg	12.2	250	2	<2	5.8	2.8	6	3.4	4.6	2.4	3.3	11.9	3.1	-	-
Zirconium	mg/kg	1.9	ng	1	<1	<1	<1	<1	<1	<1	<1	<1	<1.4	<1	-	-

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC3											
				Sample Name	SITE2-3-SS2	SITE2-4-SS1	SITE2-4-DUP	SITE2-4-SS2	SITE2-5-SS1	SITE2-5-SS2	SITE2-6-SS1	SITE2-6-SS2	SITE2-6-DUP	SITE2-7-SS1	SITE2-7-SS2	SITE2-8-SS1
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213042	WT2213042	WT2213043	WT2213042	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213042-046	WT2213042-047	WT2213043-048	WT2213042-048	WT2213043-002	WT2213043-003	WT2213043-004	WT2213043-005	WT2213043-001	WT2213043-006	WT2213043-007	WT2213043-008
				Sample Depth	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	0.0014	0.0011	<0.001	-	-	0.001	<0.001	0.0011	<0.001	<0.001	0.0015
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	13.8	5.93	11.5	12.5	8.64	14.1	7.5	19.4	7.23	7.92	9.26	6.4
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	0.14	0.11	<0.1	-	-	0.1	<0.1	0.11	<0.1	<0.1	0.15
pH	pH units	6.93	6 - 8	0.1	-	4.5	4.52	4.63	-	-	4.73	5.2	4.55	4.54	4.64	4.4
Total Metals																
Aluminum	mg/kg	2710	ng	50	-	933	938	741	-	-	1250	803	1530	1030	1040	1040
Antimony	mg/kg	0.23	20	0.1	-	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	-	0.4	0.46	0.3	-	-	0.36	0.34	0.42	0.32	0.46	0.35
Barium	mg/kg	21.4	750	0.5	-	4.55	5.61	4.6	-	-	5.18	4.28	5.78	4.91	5.5	4.56
Beryllium	mg/kg	0.24	4	0.1	-	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	-	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	-	<5	<5	<5	-	-	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	<0.1	-	<0.1
Cadmium	mg/kg	0.099	1.4	0.02	-	<0.02	<0.02	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	1260	ng	50	-	227	232	214	-	-	402	298	443	296	301	293
Chromium	mg/kg	6.16	64	0.5	-	1.21	1.17	0.88	-	-	2.02	1.29	2.23	1.4	1.72	1.37
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	<0.1	-	<0.1
Cobalt	mg/kg	2.88	40	0.1	-	0.49	0.42	0.35	-	-	0.57	0.44	0.64	0.46	0.57	0.46
Copper	mg/kg	7.34	63	0.5	-	<0.5	<0.5	<0.5	-	-	0.53	0.54	0.61	0.52	0.69	<0.5
Iron	mg/kg	6150	ng	50	-	1930	2070	1040	-	-	2060	2340	2260	1620	2360	1790
Lead	mg/kg	61.5	70	0.5	-	0.82	0.81	0.66	-	-	1.29	1.14	1.24	1.07	1.04	1.17
Lithium	mg/kg	5.4	ng	2	-	<2	<2	<2	-	-	2.1	<2	2.9	<2	<2	<2
Magnesium	mg/kg	1820	ng	20	-	496	460	366	-	-	606	422	735	494	575	489
Manganese	mg/kg	98.7	ng	1	-	16.8	15.6	12.2	-	-	20.8	15.4	23.4	16.4	18.8	17.4
Mercury	mg/kg	0.0165	6.6	0.005	-	<0.005	<0.005	<0.005	-	-	<0.005	-	<0.005	<0.005	-	<0.005
Molybdenum	mg/kg	0.21	5	0.1	-	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	-	0.62	0.74	0.58	-	-	0.67	<0.5	0.79	0.52	0.75	<0.5
Phosphorus	mg/kg	236	ng	50	-	91	66	73	-	-	130	85	118	113	96	76
Potassium	mg/kg	580	ng	100	-	120	130	110	-	-	180	140	240	170	180	160
Selenium	mg/kg	<0.28	1	0.2	-	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	-	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	-	<50	<50	56	-	-	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	-	4.77	4.46	3.97	-	-	6.58	6.03	6.96	5.64	6.37	5.65
Sulphur	mg/kg	<1400	500	1000	-	<1000	<1000	<1000	-	-	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	-	<2	<2	<2	-	-	<2	<2	<2	<2	<2	<2
Titanium	mg/kg	228	ng	1	-	60.2	73.6	47	-	-	95.9	63.1	125	73.6	81.2	100
Tungsten	mg/kg	<0.71	ng	0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	-	0.162	0.152	0.101	-	-	0.237	0.178	0.217	0.161	0.156	0.196
Vanadium	mg/kg	18.7	130	0.2	-	3.46	3.02	2.05	-	-	3.48	3.46	4.23	2.86	3.4	3.15
Zinc	mg/kg	12.2	250	2	-	3.5	3.2	2.7	-	-	3.9	2.7	4.3	3.4	3.5	3.4
Zirconium	mg/kg	1.9	ng	1	-	<1	<1	<1	-	-	<1	1	<1	<1	<1	<1

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC3											
				Sample Name	SITE2-8-SS2	SITE2-9-SS1	SITE2-9-SS2	SITE2-10-SS1	SITE2-10-SS2	SITE2-11-SS1	SITE2-11-SS2	SITE2-12-SS1	SITE2-12-SS2	SITE2-13-SS1	SITE2-13-SS2	SITE2-14-SS1
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213043-009	WT2213043-010	WT2213043-011	WT2213043-012	WT2213043-013	WT2213043-014	WT2213043-015	WT2213043-016	WT2213043-017	WT2213043-018	WT2213043-019	WT2213043-020
				Sample Depth	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	0.0013	-	-	-	-	-	-	-	-	-	-	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	1.5
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	Coarse
Moisture	%	46	ng	0.1	5.02	4.06	9.38	3.67	5.19	2.32	1.98	4.39	3.68	3.96	2.76	4.43
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	98.5
Total Organic Carbon	%	10.6	ng	0.1	0.13	-	-	-	-	-	-	-	-	-	-	<0.1
pH	pH units	6.93	6 - 8	0.1	4.35	-	-	-	-	-	-	-	-	-	-	4.47
Total Metals																
Aluminum	mg/kg	2710	ng	50	913	-	-	-	-	-	-	-	-	-	-	1150
Antimony	mg/kg	0.23	20	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	<0.1
Arsenic	mg/kg	1.5	12	0.1	0.29	-	-	-	-	-	-	-	-	-	-	0.55
Barium	mg/kg	21.4	750	0.5	4.37	-	-	-	-	-	-	-	-	-	-	5.79
Beryllium	mg/kg	0.24	4	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	-	-	-	-	-	-	-	-	-	-	<0.2
Boron	mg/kg	<7.1	ng	5	<5	-	-	-	-	-	-	-	-	-	-	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	-	-	-	-	-	-	-	-	<0.1
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	-	-	-	-	-	-	-	-	-	-	<0.02
Calcium	mg/kg	1260	ng	50	252	-	-	-	-	-	-	-	-	-	-	382
Chromium	mg/kg	6.16	64	0.5	1.31	-	-	-	-	-	-	-	-	-	-	1.62
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	<0.1
Cobalt	mg/kg	2.88	40	0.1	0.43	-	-	-	-	-	-	-	-	-	-	0.66
Copper	mg/kg	7.34	63	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	0.68
Iron	mg/kg	6150	ng	50	1820	-	-	-	-	-	-	-	-	-	-	2900
Lead	mg/kg	61.5	70	0.5	1.13	-	-	-	-	-	-	-	-	-	-	2.04
Lithium	mg/kg	5.4	ng	2	<2	-	-	-	-	-	-	-	-	-	-	2.6
Magnesium	mg/kg	1820	ng	20	446	-	-	-	-	-	-	-	-	-	-	603
Manganese	mg/kg	98.7	ng	1	17	-	-	-	-	-	-	-	-	-	-	21.9
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	-	-	-	-	-	-	-	-	<0.005
Molybdenum	mg/kg	0.21	5	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	<0.1
Nickel	mg/kg	3.64	45	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	0.98
Phosphorus	mg/kg	236	ng	50	65	-	-	-	-	-	-	-	-	-	-	129
Potassium	mg/kg	580	ng	100	130	-	-	-	-	-	-	-	-	-	-	180
Selenium	mg/kg	<0.28	1	0.2	<0.2	-	-	-	-	-	-	-	-	-	-	<0.2
Silver	mg/kg	<0.14	20	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	<0.1
Sodium	mg/kg	<71	ng	50	<50	-	-	-	-	-	-	-	-	-	-	<50
Strontium	mg/kg	9.62	ng	0.5	4.68	-	-	-	-	-	-	-	-	-	-	5.55
Sulphur	mg/kg	<1400	500	1000	<1000	-	-	-	-	-	-	-	-	-	-	<1000
Thallium	mg/kg	<0.071	1	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	<0.05
Tin	mg/kg	<2.8	5	2	<2	-	-	-	-	-	-	-	-	-	-	<2
Titanium	mg/kg	228	ng	1	78.1	-	-	-	-	-	-	-	-	-	-	87.6
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	<0.5
Uranium	mg/kg	2.05	23	0.05	0.157	-	-	-	-	-	-	-	-	-	-	<0.4
Vanadium	mg/kg	18.7	130	0.2	3.51	-	-	-	-	-	-	-	-	-	-	4.51
Zinc	mg/kg	12.2	250	2	3.1	-	-	-	-	-	-	-	-	-	-	4
Zirconium	mg/kg	1.9	ng	1	<1	-	-	-	-	-	-	-	-	-	-	<1

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	APEC3											
				Sample Name	SITE2-14-SS2	SITE2-STEP8	SITE2-STEP11	SITE2-STEP12	SITE2-STEP13	SITE2-STEP14	SITE2-STEP15	SITE2-STEP16	SITE2-STEP18	SITE2-STEP19	SITE2-STEP20	SITE2-STEP21
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213043-021	WT2213043-029	WT2213043-032	WT2213043-033	WT2213043-034	WT2213043-035	WT2213043-036	WT2213043-037	WT2213043-039	WT2213043-040	WT2213043-041	WT2213043-042
				Sample Depth	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
General Chemistry				**RDL**												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	2.82	7.73	3.5	4.41	3.92	5.26	5.75	6.1	6.6	7.46	5.86	12.4
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	6.93	6 - 8	0.1	4.45	-	-	-	-	-	-	-	-	-	-	-
Total Metals																
Aluminum	mg/kg	2710	ng	50	1670	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/kg	0.23	20	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	1.5	12	0.1	0.68	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/kg	21.4	750	0.5	8.3	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	0.24	4	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-
Boron	mg/kg	<7.1	ng	5	<5	-	-	-	-	-	-	-	-	-	-	-
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/kg	1260	ng	50	380	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/kg	6.16	64	0.5	2.98	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	2.88	40	0.1	1.17	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	7.34	63	0.5	1.44	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/kg	6150	ng	50	3960	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	61.5	70	0.5	1.63	-	-	-	-	-	-	-	-	-	-	-
Lithium	mg/kg	5.4	ng	2	2.8	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg	1820	ng	20	1040	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	98.7	ng	1	36.5	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	mg/kg	0.21	5	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	3.64	45	0.5	1.27	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	236	ng	50	112	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/kg	580	ng	100	290	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	<0.28	1	0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/kg	<0.14	20	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/kg	<71	ng	50	<50	-	-	-	-	-	-	-	-	-	-	-
Strontium	mg/kg	9.62	ng	0.5	6.78	-	-	-	-	-	-	-	-	-	-	-
Sulphur	mg/kg	<1400	500	1000	<1000	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/kg	<0.071	1	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-
Tin	mg/kg	<2.8	5	2	<2	-	-	-	-	-	-	-	-	-	-	-
Titanium	mg/kg	228	ng	1	155	-	-	-	-	-	-	-	-	-	-	-
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Uranium	mg/kg	2.05	23	0.05	0.222	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	18.7	130	0.2	5.88	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	12.2	250	2	6.7	-	-	-	-	-	-	-	-	-	-	-
Zirconium	mg/kg	1.9	ng	1	1.3	-	-	-	-	-	-	-	-	-	-	-

Notes:
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RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name				APEC5		Background						
				Sample Name	SITE2-STEP 23	SITE 2-STEP 24	SITE 2-STEP 25	LL-SS1	LL-SS2	BG1-SS1	BG1-SS2	BG1-SS3	BG1-DUP	BG2-SS1	BG2-SS2	BG2-SS3
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213043	WT2213043	WT2213043	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Sample ID	WT2213043-045	WT2213043-046	WT2213043-047	WT2213042-014	WT2213042-015	WT2213042-001	WT2213042-002	WT2213042-003	WT2213042-004	WT2213042-005	WT2213042-006	WT2213042-007
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
General Chemistry				RDL												
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	-	-	-	<0.001	0.0016	0.0149	0.0018	0.0069	0.0119	<0.001	-	-
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-	-	-	1.2	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-	-	-	Coarse	-	-	-
Moisture	%	46	ng	0.1	27.2	12.3	10	1.95	22.9	8.83	2.14	2.18	7.5	5.28	5.09	4.28
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-	-	-	98.8	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	-	-	-	<0.1	0.16	1.49	0.18	0.69	1.19	<0.1	-	-
pH	pH units	6.93	6 - 8	0.1	-	-	-	4.32	4.6	3.92	4.24	3.93	4.13	4.7	-	-
Total Metals																
Aluminum	mg/kg	2710	ng	50	-	-	-	741	993	597	471	534	-	1400	1630	1140
Antimony	mg/kg	0.23	20	0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	-	-	-	0.32	0.32	0.44	0.22	0.23	-	0.54	1.02	0.52
Barium	mg/kg	21.4	750	0.5	-	-	-	2.94	4.22	2.87	1.96	2.2	-	5.53	8.59	5.72
Beryllium	mg/kg	0.24	4	0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	-	-	-	<5	<5	<5	<5	<5	-	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	-
Cadmium	mg/kg	0.099	1.4	0.02	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.02	<0.02
Calcium	mg/kg	1260	ng	50	-	-	-	186	180	107	79	97	-	325	313	223
Chromium	mg/kg	6.16	64	0.5	-	-	-	1.66	1.53	0.56	0.57	0.53	-	2.06	2.2	1.62
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	-
Cobalt	mg/kg	2.88	40	0.1	-	-	-	0.56	0.57	0.23	0.2	0.23	-	0.84	1.39	0.9
Copper	mg/kg	7.34	63	0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	0.6	0.68	<0.5
Iron	mg/kg	6150	ng	50	-	-	-	3720	2010	852	1080	1100	-	3400	5820	3060
Lead	mg/kg	61.5	70	0.5	-	-	-	1.04	0.83	0.77	0.54	0.58	-	1.26	1.47	0.91
Lithium	mg/kg	5.4	ng	2	-	-	-	<2	<2	<2	<2	<2	-	<2	2.6	<2
Magnesium	mg/kg	1820	ng	20	-	-	-	388	504	261	198	248	-	678	871	572
Manganese	mg/kg	98.7	ng	1	-	-	-	23.4	18.4	8.8	7.8	9.1	-	33.4	51.8	34
Mercury	mg/kg	0.0165	6.6	0.005	-	-	-	<0.005	<0.005	<0.005	<0.005	-	-	<0.005	-	-
Molybdenum	mg/kg	0.21	5	0.1	-	-	-	<0.1	0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	-	-	-	0.62	0.87	<0.5	<0.5	<0.5	-	1.02	1.26	0.91
Phosphorus	mg/kg	236	ng	50	-	-	-	<50	56	<50	<50	<50	-	102	133	77
Potassium	mg/kg	580	ng	100	-	-	-	<100	120	<100	<100	<100	-	190	230	160
Selenium	mg/kg	<0.28	1	0.2	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	-	-	-	<50	<50	<50	<50	<50	-	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	-	-	-	4.75	5.06	6.98	4.11	4.21	-	5.71	5.66	5.4
Sulphur	mg/kg	<1400	500	1000	-	-	-	<1000	<1000	<1000	<1000	<1000	-	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	-	-	-	<2	<2	<2	<2	<2	-	<2	<2	<2
Titanium	mg/kg	228	ng	1	-	-	-	73.6	68	40.7	23.3	29.4	-	122	131	72
Tungsten	mg/kg	<0.71	ng	0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	-	-	-	0.151	0.181	0.09	0.101	0.083	-	0.265	0.249	0.164
Vanadium	mg/kg	18.7	130	0.2	-	-	-	6.12	3.15	1.56	1.33	1.46	-	5.15	6.61	3.53
Zinc	mg/kg	12.2	250	2	-	-	-	2.8	3.8	<2	<2	<2	-	4.4	5.5	3.9
Zirconium	mg/kg	1.9	ng	1	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 1: Soil Analytical Results General Chemistry and Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 1: Soil Analytical Results General Chemistry and Total Metals				Site Name	Background					
				Sample Name	BG3-SS1	BG3-SS2	BG3-SS3	BG4-SS1	BG4-SS2	BG4-SS3
				Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27
Parameter	Units	Max Con-centration	CCME CSQG (AG)	Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
				Lab Sample ID	WT2213042-008	WT2213042-009	WT2213042-010	WT2213042-011	WT2213042-012	WT2213042-013
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
General Chemistry				RDL						
Carbon, fraction organic [FOC]	g/g	0.106	ng	0.001	0.0171	-	-	<0.001	-	<0.001
Fines (<0.075mm)	%	10.5	ng	1	-	-	-	-	-	-
Grain Size	-	na	ng	-	-	-	-	-	-	-
Moisture	%	46	ng	0.1	11.5	9.73	5.58	4.75	3.33	3.78
Sieve - #200 (>0.075mm)	%	98.8	ng	1	-	-	-	-	-	-
Total Organic Carbon	%	10.6	ng	0.1	1.71	-	-	<0.1	-	<0.1
pH	pH units	6.93	6 - 8	0.1	4.19	-	-	4.35	-	4.28
Total Metals										
Aluminum	mg/kg	2710	ng	50	602	569	597	916	898	824
Antimony	mg/kg	0.23	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	1.5	12	0.1	0.27	0.29	0.25	0.78	0.41	0.56
Barium	mg/kg	21.4	750	0.5	2.79	2.84	2.84	4.54	4.48	4.21
Beryllium	mg/kg	0.24	4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bismuth	mg/kg	<0.28	ng	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	<7.1	ng	5	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	0.14	2	0.1	<0.1	-	-	<0.1	-	-
Cadmium	mg/kg	0.099	1.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	1260	ng	50	124	126	126	220	267	179
Chromium	mg/kg	6.16	64	0.5	0.6	0.67	0.67	1.26	1.15	1
Chromium (hexavalent)	mg/kg	<0.1	0.4	0.1	<0.1	-	-	<0.1	-	-
Cobalt	mg/kg	2.88	40	0.1	0.26	0.22	0.25	0.5	0.49	0.57
Copper	mg/kg	7.34	63	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
Iron	mg/kg	6150	ng	50	1170	968	1080	2000	1860	1610
Lead	mg/kg	61.5	70	0.5	0.66	0.69	0.68	0.96	0.93	0.85
Lithium	mg/kg	5.4	ng	2	<2	<2	<2	<2	<2	<2
Magnesium	mg/kg	1820	ng	20	276	241	261	456	473	453
Manganese	mg/kg	98.7	ng	1	10.3	8.1	9.8	18.1	17.6	16.5
Mercury	mg/kg	0.0165	6.6	0.005	<0.005	-	-	<0.005	-	-
Molybdenum	mg/kg	0.21	5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3.64	45	0.5	<0.5	<0.5	<0.5	0.66	0.65	0.66
Phosphorus	mg/kg	236	ng	50	<50	<50	<50	69	76	67
Potassium	mg/kg	580	ng	100	<100	<100	<100	140	150	150
Selenium	mg/kg	<0.28	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	<0.14	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	<71	ng	50	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	9.62	ng	0.5	4.65	5.98	4.7	5.42	5.94	4.71
Sulphur	mg/kg	<1400	500	1000	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	<0.071	1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	<2.8	5	2	<2	<2	<2	<2	<2	<2
Titanium	mg/kg	228	ng	1	40.2	34.3	45.5	69.9	78.7	53.6
Tungsten	mg/kg	<0.71	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	2.05	23	0.05	0.086	0.088	0.094	0.159	0.156	0.132
Vanadium	mg/kg	18.7	130	0.2	1.69	1.52	1.7	3.24	2.93	2.38
Zinc	mg/kg	12.2	250	2	<2	<2	<2	2.9	3.2	2.8
Zirconium	mg/kg	1.9	ng	1	<1	<1	<1	<1	<1	<1

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
na - not applicable
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC1								
					Sample Name	CAMP4-SS1	CAMP5-SS1	CAMP5-SS2	CAMP5A-SS1	CAMP6-SS1	CAMP6-SS2	CAMP6-SS3	CAMP7-SS1	CAMP7-DUP
					Sample Date	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23
					Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213046	WT2213044	WT2213044
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213044-014	WT2213044-016	WT2213044-017	WT2213044-022	WT2213044-023	WT2213044-024	WT2213046-020	WT2213044-025	WT2213044-033
					Sample Depth	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	-	<5	-	-	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	2740	992	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	3060	517	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	5800	1510	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	-	<0.082	-	-	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	-	<0.05	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	-	<0.065	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	-	<0.04	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	-	<0.065	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	-	<0.28	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	-	<0.016	-	-	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	-	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	-	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	-	0.045	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	-	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	-	0.0506	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	-	<0.035	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	-	<0.15	-	-	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	-	<0.025	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	-	<0.03	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	-	0.0746	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	-	<0.01	-	-	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name									
					Sample Name	CAMP7-SS2	CAMP11-SS1	CAMP11-SS2	CAMP11-SS3	CAMP11A-SS1	CAMP12-SS1	CAMP12-SS2	CAMP12-SS3	CAMP13-SS1
					Sample Date	2022-Aug-23	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
					Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213044	WT2213044	WT2213044	WT2213044
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213044-026	WT2213044-038	WT2213044-039	WT2213044-040	WT2213045-003	WT2213044-041	WT2213044-042	WT2213044-043	WT2213044-044
					Sample Depth	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	-	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	210	<10	44	66	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	512	<50	216	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	64	<50	90	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	786	<80	350	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	-	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	0.0068	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	-	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	0.0051	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC 1								
					Sample Name	CAMP13-DUP	CAMP13-SS2	CAMP13-SS3	CAMP14-SS1	CAMP14-SS2	CAMP14-SS3	CAMP14A-SS1	PS27-SS1	PS27-SS2
					Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-23	2022-Aug-23
					Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213045	WT2213045	WT2213044	WT2213044
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213044-046	WT2213044-045	WT2213044-047	WT2213044-048	WT2213045-001	WT2213045-002	WT2213045-006	WT2213044-001	WT2213044-002
					Sample Depth	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	<5	-	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	-	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	-	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC 1								
					Sample Name	PS27-SS3	PS28-SS1	PS28-DUP	PS28-SS2	PS28-SS3	PS14-SS1	PS14-SS2	PS14-SS3	PS15-SS1
					Sample Date	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
					Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213044-003	WT2213044-004	WT2213044-007	WT2213044-005	WT2213044-006	WT2213045-031	WT2213045-032	WT2213045-033	WT2213045-034
					Sample Depth	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC2								
					Sample Name	PS15-DUP	PS15-SS2	PS15-SS3	PS20-SS1	PS20-SS2	PS20-SS3	PS21-SS1	PS21-DUP	PS21-SS2
					Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
					Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213045-037	WT2213045-035	WT2213045-036	WT2213045-007	WT2213045-008	WT2213045-009	WT2213045-011	WT2213045-010	WT2213045-012
					Sample Depth	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC 2								
					Sample Name	PS21-SS3	PS22-SS1	PS22-SS2	PS22-SS3	PS24-SS1	PS24-DUP	PS24-SS2	PS24-SS3	SITE1-3-SS1
					Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
					Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213045-013	WT2213045-014	WT2213045-015	WT2213045-016	WT2213045-038	WT2213045-053	WT2213045-039	WT2213045-040	WT2213045-046
					Sample Depth	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.015	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	<0.015	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	<0.1	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	<0.04	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	<0.14	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	<0.04	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name									
					Sample Name	SITE1-3-SS2	SITE1-5-SS1	SITE1-5-DUP	SITE1-5-SS2	SITE 1-5A-SS1	SITE1-6-SS1	SITE1-6-SS2	SITE1-6A-SS1	SITE1-7-SS1
					Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
					Lab Job Number	WT2213045	WT2213046	WT2213046	WT2213046	WT2213045	WT2213046	WT2213046	WT2213046	WT2213046
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213045-047	WT2213046-008	WT2213046-010	WT2213046-009	WT2213045-052	WT2213046-011	WT2213046-012	WT2213046-013	WT2213046-014
					Sample Depth	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	-	<5	-	-	-
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	26	26	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	2800	4190	<50	<50	1890	<50	<50	2030
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	2090	3030	<50	<50	2940	<50	<50	3550
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	4420	6170	-	-	7370	-	-	6750
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	4920	7250	<80	<80	4830	<80	<80	5580
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	-	<0.0075	-	-	-
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.08	0.134	<0.01	-	<0.01	-	-	-
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.01	<0.012	<0.004	-	<0.004	-	-	-
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	-	-	-
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.026	<0.01	-	<0.01	-	-	-
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	0.0062	<0.005	-	0.007	-	-	-
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	0.016	0.014	<0.01	-	<0.01	-	-	-
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	0.024	0.026	<0.01	-	<0.01	-	-	-
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	-
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	0.115	0.116	<0.01	-	<0.01	-	-	-
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	0.0353	0.0422	<0.005	-	<0.005	-	-	-
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	-
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	0.22	0.24	<0.15	-	<0.15	-	-	-
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	-
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	0.0197	0.0337	<0.005	-	<0.005	-	-	-
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	0.0399	0.0468	<0.005	-	<0.005	-	-	-
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material

Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils

RDL - reported detection limit - may vary between sample locations and events

mg/kg - milligrams per kilogram

* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC2				APEC3				
					Sample Name	SITE1-7-SS2	SITE1-7A-SS1	SITE1-8-SS1	SITE1-8A-SS1	PS2-SS1	PS2-SS2	PS2-DUP	PS2-SS3	PS4-SS1
					Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26
					Lab Job Number	WT2213046	WT2213046	WT2213046	WT2213046	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213046-015	WT2213046-016	WT2213046-017	WT2213046-019	WT2213042-016	WT2213042-017	WT2213042-037	WT2213042-018	WT2213042-019
					Sample Depth	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.8 - 0.9	0.8 - 0.9	0.8 - 0.9	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	-	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	-	-	-	-	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	-	-	-	-	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	-	-	-	-	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name									
					Sample Name	PS4-SS2	PS4-SS3	PS5-SS1	PS5-SS2	PS5-SS3	PS7-SS1	PS7-SS2	PS7-DUP	PS7-SS3
					Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26
					Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213042-020	WT2213042-021	WT2213042-022	WT2213042-023	WT2213042-024	WT2213042-025	WT2213042-026	WT2213042-038	WT2213042-027
					Sample Depth	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6	0.8 - 0.9
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	532	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	532	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	532	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC3								
					Sample Name	PS11-SS1	PS11-SS2	PS11-SS3	PS12-SS1	PS12-DUP	PS12-SS2	PS12-SS3	PS13-SS1	PS13-SS2
					Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26
					Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213042-028	WT2213042-029	WT2213042-030	WT2213042-031	WT2213042-039	WT2213042-032	WT2213042-033	WT2213042-034	WT2213042-035
					Sample Depth	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	65	600	<50	<50	309	71	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	216	<50	<50	126	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	1480	-	-	710	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	816	<80	<80	435	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC 3								
					Sample Name	PS13-SS3	SITE2-1-SS1	SITE2-1-DUP	SITE2-1-SS2	SITE2-2-SS1	SITE2-2-SS2	SITE2-4-SS1	SITE2-4-DUP	SITE2-4-SS2
					Sample Date	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27
					Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213043	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213042-036	WT2213042-040	WT2213042-042	WT2213042-041	WT2213042-043	WT2213042-044	WT2213042-047	WT2213043-048	WT2213042-048
					Sample Depth	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	-	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	263	<50	228	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	87	<50	69	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	760	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	350	<80	297	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	-	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	-	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name									
					Sample Name	SITE2-5-SS2	SITE2-6-SS1	SITE2-6-SS2	SITE2-6-DUP	SITE2-7-SS1	SITE2-7-SS2	SITE2-8-SS1	SITE2-8-SS2	SITE2-10-SS2
					Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27
					Lab Job Number	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213043-003	WT2213043-004	WT2213043-005	WT2213043-001	WT2213043-006	WT2213043-007	WT2213043-008	WT2213043-009	WT2213043-013
					Sample Depth	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	-	<5	<5	<5	<5	<5	<5	<5	-
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	-	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	-
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Acridine	mg/kg	<0.28	ng	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Anthracene	mg/kg	<0.016	2.5	ng	0.004	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Fluoranthene	mg/kg	0.0506	50	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	-	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	-
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Pyrene	mg/kg	0.0746	0.1	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Quinoline	mg/kg	<0.01	0.1	ng	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	APEC 3				APEC5		Backg		
					Sample Name	SITE2-14-SS1	SITE2-14-SS2	SITE2-STEP8	SITE 2-STEP 24	LL-SS1	LL-SS2	BG1-SS1	BG1-SS2	BG1-SS3
					Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26
					Lab Job Number	WT2213043	WT2213043	WT2213043	WT2213043	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213043-020	WT2213043-021	WT2213043-029	WT2213043-046	WT2213042-014	WT2213042-015	WT2213042-001	WT2213042-002	WT2213042-003
					Sample Depth	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
Petroleum Hydrocarbons					RDL									
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	-	-	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons														
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	-	-	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	-	-	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material

Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils

RDL - reported detection limit - may vary between sample locations and events

mg/kg - milligrams per kilogram

* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 2: Soil Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons					Site Name	round						Background			
					Sample Name	BG1-DUP	BG2-SS1	BG2-SS2	BG2-SS3	BG3-SS1	BG3-SS2	BG3-SS3	BG4-SS1	BG4-SS2	BG4-SS3
					Sample Date	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27
					Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	CWS PHC	Lab Sample ID	WT2213042-004	WT2213042-005	WT2213042-006	WT2213042-007	WT2213042-008	WT2213042-009	WT2213042-010	WT2213042-011	WT2213042-012	WT2213042-013
					Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
Petroleum Hydrocarbons					RDL										
F1 (C6-C10)	mg/kg	532	ng	210	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	532	ng	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	2740	ng	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	4190	ng	300	50	52	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	3550	ng	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	7370	ng	ng	250	-	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	7250	ng	ng	80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
Polycyclic Aromatic Hydrocarbons															
1+2-Methylnaphthalene	mg/kg	<0.082	ng	ng	0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.05	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.065	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.04	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.065	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.28	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.016	2.5	ng	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	5.3	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.026	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	20	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j,k]fluoranthene	mg/kg	<0.015	ng	ng	0.015	-	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.016	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	0.026	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	<0.01	ng	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	0.116	See Factsheet*	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.005	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	0.0506	50	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.035	See Factsheet*	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IACR AB (coarse)	unitless	<0.1	ng	ng	0.1	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	0.1	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.24	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.025	0.013	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
PAHs, total (BC Sched 3.4)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	<0.14	ng	ng	0.14	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	<0.04	ng	ng	0.04	-	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.0337	0.046	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	0.0746	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	0.1	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG), coarse-grained material
Canada Wide Standards for Petroleum Hydrocarbons (CWS PHC), Table 3 - Tier 1 levels for PHCs for coarse-grained surface soils
RDL - reported detection limit - may vary between sample locations and events
mg/kg - milligrams per kilogram
* Human Health guideline: $1x10^{-b}$ incremental lifetime cancer risk is 0.6xB[a]P TPE and $1x10^{-5}$ incremental lifetime cancer risk is 5.3x B[a]P TPE
ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC1												
				Sample Name	CAMP5-SS1	CAMP6-SS1	CAMP6-SS2	CAMP6-SS3	CAMP7-SS1	CAMP7-SS1	CAMP7-DUP	CAMP7-SS2	CAMP11-SS1	CAMP11-SS1	CAMP11-SS2	CAMP11-SS3	CAMP12-SS1
				Sample Date	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-22	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
				Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213046	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213044-016	WT2213044-023	WT2213044-024	WT2213046-020	WT2213044-025	WT2213044-025	WT2213044-033	WT2213044-026	WT2213044-038	WT2213044-038	WT2213044-039	WT2213044-040	WT2213044-041
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	<10	-	-	-	<10	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	<10	-	-	-	<10	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	<10	-	-	-	<10	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	<10	-	-	-	<10	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	<10	-	-	-	<10	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	<10	-	-	-	<10	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	<0.045	-	-	-	<0.045	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	<0.03	-	-	-	<0.03	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	<0.03	-	-	-	<0.03	-	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	<0.2	-	-	-	<0.2	-	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	-	<0.015	<0.015	<0.015	-	<0.015	<0.015	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	<0.04	-	-	-	<0.04	-	-	-
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	<0.0005	-	-	-	<0.0005	-	-	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	<0.01	-	-	-	<0.01	-	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	<0.02	-	-	-	<0.02	-	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	<0.05	-	-	-	<0.05	-	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

BluMetric® Environmental

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC 1												
				Sample Name	CAMP12-SS2	CAMP12-SS3	CAMP13-SS1	CAMP13-DUP	CAMP13-SS2	CAMP13-SS3	CAMP14-SS1	CAMP14-SS2	CAMP14-SS3	PS27-SS1	PS27-SS2	PS27-SS3	PS28-SS1
				Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-22
				Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213045	WT2213044	WT2213044	WT2213044	WT2213044
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213044-042	WT2213044-043	WT2213044-044	WT2213044-046	WT2213044-045	WT2213044-047	WT2213044-048	WT2213045-001	WT2213045-002	WT2213044-001	WT2213044-002	WT2213044-003	WT2213044-004
				Sample Depth	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	-
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	<0.0005
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC2											
				Sample Name	PS28-DUP	PS28-SS1	PS28-DUP	PS28-SS2	PS28-SS3	PS14-SS1	PS14-SS2	PS14-SS3	PS15-SS1	PS15-DUP	PS15-SS2	PS15-SS3
				Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
				Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213044-007	WT2213044-004	WT2213044-007	WT2213044-005	WT2213044-006	WT2213045-031	WT2213045-032	WT2213045-033	WT2213045-034	WT2213045-037	WT2213045-035	WT2213045-036
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9
Glycols				**RDL**												
Diethylene glycol	mg/kg	<10	ng	10	-	<10	<10	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	<10	<10	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	<10	<10	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	<10	<10	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	<10	<10	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	<10	<10	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Acetone	mg/kg	<0.5	ng	0.5	-	<0.5	<0.5	-	-	<0.5	-	-	<0.5	<0.5	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Bromoform	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Chloroform	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	<0.045	<0.045	-	-	<0.045	-	-	<0.045	<0.045	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	<0.03	<0.03	-	-	<0.03	-	-	<0.03	<0.03	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	<0.03	<0.03	-	-	<0.03	-	-	<0.03	<0.03	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	<0.2	<0.2	-	-	<0.2	-	-	<0.2	<0.2	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	-	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	<0.5	<0.5	-	-	<0.5	-	-	<0.5	<0.5	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	<0.5	<0.5	-	-	<0.5	-	-	<0.5	<0.5	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	<0.5	<0.5	-	-	<0.5	-	-	<0.5	<0.5	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	<0.04	<0.04	-	-	<0.04	-	-	<0.04	<0.04	-	-
Styrene	mg/kg	<0.05	0.1	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	<0.0005	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	<0.01	<0.01	-	-	<0.01	-	-	<0.01	<0.01	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	<0.1	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	<0.02	<0.02	-	-	<0.02	-	-	<0.02	<0.02	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	<0.05	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC 2													
				Sample Name	PS20-SS1	PS20-SS2	PS20-SS3	PS21-SS1	PS21-DUP	PS21-SS2	PS21-SS3	PS22-SS1	PS22-SS2	PS22-SS3	PS24-SS1	PS24-DUP	PS24-SS2
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24
				Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045	WT2213045
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213045-007	WT2213045-008	WT2213045-009	WT2213045-011	WT2213045-010	WT2213045-012	WT2213045-013	WT2213045-014	WT2213045-015	WT2213045-016	WT2213045-038	WT2213045-053	WT2213045-039
				Sample Depth	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	<10	<10	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	<10	<10	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	<10	<10	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	<10	<10	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	<10	<10	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	<10	<10	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Acetone	mg/kg	<0.5	ng	0.5	<0.5	-	-	<0.5	<0.5	-	-	-	-	-	<0.5	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Bromoform	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Chloroform	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	<0.045	-	-	<0.045	<0.045	-	-	-	-	-	<0.045	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	<0.03	-	-	<0.03	<0.03	-	-	-	-	-	<0.03	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	<0.03	-	-	<0.03	<0.03	-	-	-	-	-	<0.03	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	<0.2	-	-	<0.2	<0.2	-	-	-	-	-	<0.2	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	<0.5	-	-	<0.5	<0.5	-	-	-	-	-	<0.5	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	<0.5	-	-	<0.5	<0.5	-	-	-	-	-	<0.5	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	<0.5	-	-	<0.5	<0.5	-	-	-	-	-	<0.5	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	<0.04	-	-	<0.04	<0.04	-	-	-	-	-	<0.04	-	-
Styrene	mg/kg	<0.05	0.1	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	<0.01	-	-	<0.01	<0.01	-	-	-	-	-	<0.01	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	<0.02	-	-	<0.02	<0.02	-	-	-	-	-	<0.02	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	<0.05	-	-	<0.05	<0.05	-	-	-	-	-	<0.05	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

BluMetric Environmental

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC 2												
				Sample Name	PS24-SS3	SITE1-3-SS1	SITE1-3-SS2	SITE1-5-SS1	SITE1-5-DUP	SITE1-5-SS2	SITE1-6-SS1	SITE1-7-SS2	SITE1-8-SS1	SITE1-8A-SS1	PS2-SS1	PS2-SS2	PS2-DUP
				Sample Date	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-26	2022-Aug-26	2022-Aug-26
				Lab Job Number	WT2213045	WT2213045	WT2213045	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213046	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213045-040	WT2213045-046	WT2213045-047	WT2213046-008	WT2213046-010	WT2213046-009	WT2213046-011	WT2213046-015	WT2213046-017	WT2213046-019	WT2213042-016	WT2213042-017	WT2213042-037
				Sample Depth	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.8 - 0.9	0.8 - 0.9
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.0075	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	<0.045	-	-	-	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	<0.03	-	-	-	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	<0.03	-	-	-	-	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	<0.2	-	-	-	-	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	<0.04	-	-	-	-	-	-
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.155	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	<0.1	-	-	-	-	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	<0.02	-	-	-	-	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC3												
				Sample Name	PS2-SS3	PS4-SS1	PS4-SS2	PS4-SS3	PS5-SS1	PS5-SS2	PS5-SS3	PS7-SS1	PS7-SS2	PS7-DUP	PS7-SS3	PS11-SS1	PS11-SS2
				Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26
				Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213042-018	WT2213042-019	WT2213042-020	WT2213042-021	WT2213042-022	WT2213042-023	WT2213042-024	WT2213042-025	WT2213042-026	WT2213042-038	WT2213042-027	WT2213042-028	WT2213042-029
				Sample Depth	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

BluMetric® Environmental

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC3												
				Sample Name	PS11-SS3	PS12-SS1	PS12-DUP	PS12-SS2	PS12-SS3	PS13-SS1	PS13-SS2	PS13-SS3	SITE2-1-SS1	SITE2-1-DUP	SITE2-1-SS2	SITE2-2-SS1	SITE2-2-SS1
				Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-27
				Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213042-030	WT2213042-031	WT2213042-039	WT2213042-032	WT2213042-033	WT2213042-034	WT2213042-035	WT2213042-036	WT2213042-040	WT2213042-042	WT2213042-041	WT2213042-043	WT2213042-043
				Sample Depth	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.5 - 0.6	0.8 - 0.9	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.0052	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0054	-	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	-	-	-	-	-	-	<0.045
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	<0.03
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	<0.03
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	-	-	-	-	-	-	<0.2
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	-	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	-	-	-	-	-	-	<0.04
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	-	<0.0005	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	-	-	-	-	-	-	<0.02
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC3												
				Sample Name	SITE2-4-SS1	SITE2-4-DUP	SITE2-4-SS2	SITE2-6-SS1	SITE2-6-SS2	SITE2-6-DUP	SITE2-7-SS1	SITE2-7-SS2	SITE2-8-SS1	SITE2-8-SS2	SITE2-14-SS1	SITE2-14-SS1	SITE2-14-SS2
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213042	WT2213043	WT2213042	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043	WT2213043
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213042-047	WT2213043-048	WT2213042-048	WT2213043-004	WT2213043-005	WT2213043-001	WT2213043-006	WT2213043-007	WT2213043-008	WT2213043-009	WT2213043-020	WT2213043-020	WT2213043-021
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.5 - 0.6	0.2 - 0.3	0.2 - 0.3	0.5 - 0.6
Glycols				**RDL**													
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	<0.5	-	-	<0.5	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	-	-	<0.045	-	-	<0.045	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	<0.03	-	-	<0.03	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	<0.03	-	-	<0.03	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	-	-	<0.2	-	-	<0.2	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	-	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	<0.5	-	-	<0.5	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	<0.5	-	-	<0.5	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	<0.5	-	-	<0.5	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	-	-	<0.04	-	-	<0.04	-
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	<0.0005	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.075	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	-	-	<0.1	-	-	<0.1	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	-	-	<0.02	-	-	<0.02	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 3: Soil Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols				Site Name	APEC5		Background							Background					
				Sample Name	LL-SS1	LL-SS2	BG1-SS1	BG1-SS2	BG1-SS3	BG1-DUP	BG2-SS1	BG2-SS2	BG2-SS3	BG3-SS1	BG3-SS2	BG3-SS3	BG4-SS1	BG4-SS2	BG4-SS3
				Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27
				Lab Job Number	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042	WT2213042
Parameter	Units	Max Con-centration	CCME CSQG (AG, coarse)	Lab Sample ID	WT2213042-014	WT2213042-015	WT2213042-001	WT2213042-002	WT2213042-003	WT2213042-004	WT2213042-005	WT2213042-006	WT2213042-007	WT2213042-008	WT2213042-009	WT2213042-010	WT2213042-011	WT2213042-012	WT2213042-013
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
Glycols				RDL															
Diethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	<10	960	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	<10	ng	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BTEX, total	mg/kg	<0.16	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/kg	<0.0075	0.030/0.0095*	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	<0.019	0.082**	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	<0.05	0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	<0.155	0.37**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylene (o)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Xylenes (total)	mg/kg	<0.05	11**	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane	mg/kg	<0.05	0.49	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)

RDL - reported detection limit - may vary between sample locations and events

g/g - gram per gram

mg/kg - milligrams per kilogram

ng - no guideline

* 10^{-5} Incremental Risk / 10^{-6} Incremental Risk (surface, coarse-grained material)

** surface material, coarse-grained

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 4: Soil Analytical Results Organochlorine and Organophosphate Pesticides

Pelly Lake Former Airstrip and Fuel Cache Site Table 4: Soil Analytical Results Organochlorine and Organophosphate Pesticides				Site Name	APEC1				APEC2	
				Sample Name	CAMP7-SS1	CAMP11-SS1	PS28-SS1	PS28-DUP	PS21-SS1	PS21-DUP
				Sample Date	2022-Aug-23	2022-Aug-25	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-24
Parameter	Units	Max Con-centration	G-AG	Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213045
				Lab Sample ID	WT2213044-025	WT2213044-038	WT2213044-004	WT2213044-007	WT2213045-011	WT2213045-010
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
Organochlorine Pesticides				RDL						
Aldrin	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chlordane, cis- (alpha)	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chlordane, total	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chlordane, trans- (gamma)	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDD, 2,4'-	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDD, 4,4'-	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDE, 2,4'-	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDE, 4,4'-	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDT, 2,4'-	mg/kg	<0.06	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02
DDT, 4,4'-	mg/kg	<0.06	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02
Dichloro diphenyl dichloroethane (DDD)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloro diphenyl ethylene (DDE)	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloro diphenyl trichloroethane (DDT)	mg/kg	<0.085	0.7	0.03	<0.03	<0.03	<0.03	<0.03	<0.085	<0.03
Dieldrin	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan	mg/kg	<0.03	ng	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Endosulfan, alpha-	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan, beta-	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endrin	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Heptachlor	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Heptachlor epoxide	mg/kg	<0.02	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorobenzene	mg/kg	<0.01	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/kg	<0.01	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorocyclohexane, alpha-	mg/kg	<0.02	0.01*	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorocyclohexane, beta-	mg/kg	<0.02	0.01*	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorocyclohexane, delta-	mg/kg	<0.02	0.01*	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorocyclohexane, gamma-	mg/kg	<0.01	0.01*	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachloroethane	mg/kg	<0.01	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	mg/kg	<0.06	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02

Pelly Lake Former Airstrip and Fuel Cache Site

Table 4: Soil Analytical Results Organochlorine and Organophosphate Pesticides

Pelly Lake Former Airstrip and Fuel Cache Site Table 4: Soil Analytical Results Organochlorine and Organophosphate Pesticides				Site Name	APEC1				APEC2	
				Sample Name	CAMP7-SS1	CAMP11-SS1	PS28-SS1	PS28-DUP	PS21-SS1	PS21-DUP
				Sample Date	2022-Aug-23	2022-Aug-25	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-24
Parameter	Units	Max Con-centration	G-AG	Lab Job Number	WT2213044	WT2213044	WT2213044	WT2213044	WT2213045	WT2213045
				Lab Sample ID	WT2213044-025	WT2213044-038	WT2213044-004	WT2213044-007	WT2213045-011	WT2213045-010
				Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
Organochlorine Pesticides				RDL						
Organophosphate Pesticides										
Alachlor	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ametryn	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Atrazine	mg/kg	<0.012	ng	0.005	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005
Atrazine-desethyl	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Azinphos-methyl	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bendiocarb	mg/kg	<0.03	ng	0.005	<0.005	<0.03	<0.005	<0.005	<0.005	<0.005
Carbaryl	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbofuran	mg/kg	<0.025	ng	0.005	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005
Chlorpyrifos	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanazine	mg/kg	<0.05	ng	0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
Diazinon	mg/kg	<0.015	ng	0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005
Diclofop-methyl	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dimethoate	mg/kg	<0.04	ng	0.005	<0.005	<0.04	<0.005	<0.005	<0.005	<0.005
Ethalfluralin	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Malathion	mg/kg	<0.015	ng	0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005
Metolachlor	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Metribuzin	mg/kg	<0.015	ng	0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005
Parathion	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Parathion-methyl	mg/kg	<0.055	ng	0.005	<0.005	<0.055	<0.005	<0.005	<0.005	<0.005
Phorate	mg/kg	<0.035	ng	0.005	<0.005	<0.035	<0.005	<0.005	<0.005	<0.005
Prometon	mg/kg	<0.025	ng	0.005	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005
Prometryn	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Propazine	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Simazine	mg/kg	<0.01	ng	0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
Temephos	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Terbufos	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Terbutryn	mg/kg	<0.01	ng	0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
Triallate	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trifluralin	mg/kg	<0.005	ng	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Soil Quality Guidelines (CSQG) for the protection of environmental and human health, agricultural land use (AG)
RDL - reported detection limit - may vary between sample locations and events
g/g - gram per gram
mg/kg - milligrams per kilogram
ng - no guideline
* guideline is for total hyxachlorocyclohexane

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

BluMetric® Environmental

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC2		RPD	APEC2		RPD
		Sample Name	CAMP13-SS1	CAMP13-DUP		CAMP7-SS1	CAMP7-DUP		PS28-SS1	PS28-DUP		PS28-SS1	PS28-DUP		PS15-SS1	PS15-DUP		PS21-SS1	PS21-DUP	
		Sample Date	2022-Aug-25	2022-Aug-25		2022-Aug-23	2022-Aug-23		2022-Aug-22	2022-Aug-22		2022-Aug-23	2022-Aug-23		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24	
		Lab Job Number	WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213045	WT2213045		WT2213045	WT2213045	
Parameter	Units	Lab Sample ID	WT2213044-044	WT2213044-046		WT2213044-025	WT2213044-033		WT2213044-004	WT2213044-007		WT2213044-004	WT2213044-007		WT2213045-034	WT2213045-037		WT2213045-011	WT2213045-010	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Dioxins and Furans		RDL																		
1,2,3,4,6,7,8-Hepta CDD	pg/g	0.051	0.062	26	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,6,7,8-Hepta CDF	pg/g	0.026	<0.026	11.4	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8,9-Hepta CDF	pg/g	0.04	<0.04	0.29	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-Hexa CDD	pg/g	0.037	<0.041	0.419	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-Hexa CDF	pg/g	0.021	<0.021	0.356	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-Hexa CDD	pg/g	0.035	<0.042	1.21	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-Hexa CDF	pg/g	0.02	<0.02	0.45	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-Hexa CDD	pg/g	0.035	<0.04	0.966	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-Hexa CDF	pg/g	0.031	<0.031	0.053	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-Penta CDD	pg/g	0.029	<0.029	0.298	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-Penta CDF	pg/g	0.028	<0.028	<0.04	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6,7,8-Hexa CDF	pg/g	0.021	<0.021	0.6	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,7,8-Penta CDF	pg/g	0.024	<0.024	0.118	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,7,8-Tetra CDD	pg/g	0.035	<0.035	<0.048	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,7,8-Tetra CDF	pg/g	0.032	<0.032	<0.09	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lower Bound PCDD/F TEQ (WHO 2005)	pg/g	-	0.000619	1.1	200%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid Point PCDD/F TEQ (WHO 2005)	pg/g	-	0.0494	1.18	184%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octa CDD	pg/g	0.13	<0.17	97.4	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octa CDF	pg/g	0.053	0.17	15.2	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hepta CDD	pg/g	0.051	0.117	49.7	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hepta CDF	pg/g	0.04	<0.04	20.3	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hexa CDD	pg/g	0.037	<0.042	7.54	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hexa CDF	pg/g	0.031	<0.031	9.52	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Penta CDD	pg/g	0.029	<0.029	0.298	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Penta CDF	pg/g	0.028	<0.028	5.52	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Tetra CDD	pg/g	0.035	<0.035	0.463	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Tetra CDF	pg/g	0.032	<0.032	0.368	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Upper Bound PCDD/F TEQ (WHO 2005)	pg/g	-	0.0982	1.21	170%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																				
Carbon, fraction organic [FOC]	g/g	0.001	0.0015	0.0075	NC	0.0029	0.0022	NC	-	-	-	0.0015	0.0013	NC	<0.001	0.001	NC	<0.001	0.0021	NC
Fines (<0.075mm)	%	1	-	-	-	10.5	-	-	-	-	-	1.6	2.3	NC	-	-	-	2.4	2.1	NC
Moisture	%	0.1	1.47	4.93	108%	4.25	3.42	22%	-	-	-	1.35	1.38	2%	2.94	3.8	26%	2.17	3.12	36%
Sieve - #200 (>0.075mm)	%	1	-	-	-	89.5	-	-	-	-	-	98.4	97.7	1%	-	-	-	97.6	97.9	0%
Total Organic Carbon	%	0.1	0.15	0.75	NC	0.29	0.22	NC	-	-	-	0.15	0.13	NC	<0.1	0.1	NC	<0.1	0.21	NC
pH	pH units	0.1	4.56	4.25	7%	4.32	4.35	1%	-	-	-	4.58	4.48	2%	4.53	4.56	1%	4.66	4.6	1%
Glycols																				
Diethylene glycol	mg/kg	10	-	-	-	<10	-	-	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Ethylene glycol	mg/kg	10	-	-	-	<10	-	-	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Propanediol, 1,3-	mg/kg	10	-	-	-	<10	-	-	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Propylene glycol	mg/kg	10	-	-	-	<10	-	-	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Tetraethylene glycol	mg/kg	10	-	-	-	<10	-	-	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Triethylene glycol	mg/kg	10	-	-	-	<10	-	-	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Organochlorine Pesticides																				
Aldrin	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Chlordane, cis- (alpha)	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Chlordane, total	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC
Chlordane, trans- (gamma)	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
DDD, 2,4'-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
DDD, 4,4'-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
DDE, 2,4'-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
DDE, 4,4'-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
DDT, 2,4'-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.06	<0.02	NC
DDT, 4,4'-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.06	<0.02	NC
Dichloro diphenyl dichloroethane (DDD)	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC
Dichloro diphenyl ethylene (DDE)	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC
Dichloro diphenyl trichloroethane (DDT)	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.085	<0.03	NC
Dieldrin	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Endosulfan	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC
Endosulfan, alpha-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Endosulfan, beta-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Endrin	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Heptachlor	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Heptachlor epoxide	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Hexachlorobenzene	mg/kg	0.01	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Hexachlorobutadiene	mg/kg	0.01	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Hexachlorocyclohexane, alpha-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Hexachlorocyclohexane, beta-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Hexachlorocyclohexane, delta-	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Hexachlorocyclohexane, gamma-	mg/kg	0.01	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Hexachloroethane	mg/kg	0.01	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Methoxychlor	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.06	<0.02	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC2		RPD	APEC2		RPD
		Sample Name	CAMP13-SS1	CAMP13-DUP		CAMP7-SS1	CAMP7-DUP		PS28-SS1	PS28-DUP		PS28-SS1	PS28-DUP		PS15-SS1	PS15-DUP		PS21-SS1	PS21-DUP	
		Sample Date	2022-Aug-25	2022-Aug-25		2022-Aug-23	2022-Aug-23		2022-Aug-22	2022-Aug-22		2022-Aug-23	2022-Aug-23		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24	
		Lab Job Number	WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213045	WT2213045		WT2213045	WT2213045	
Parameter	Units	Lab Sample ID	WT2213044-044	WT2213044-046		WT2213044-025	WT2213044-033		WT2213044-004	WT2213044-007		WT2213044-004	WT2213044-007		WT2213045-034	WT2213045-037		WT2213045-011	WT2213045-010	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Organophosphate Pesticides																				
Alachlor	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Ametryn	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Atrazine	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Atrazine-desethyl	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Azinphos-methyl	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Bendiocarb	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Carbaryl	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Carbofuran	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Chlorpyrifos	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Cyanazine	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Diazinon	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Diclofop-methyl	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Dimethoate	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Ethalfluralin	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Malathion	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Metolachlor	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Metribuzin	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Parathion	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Parathion-methyl	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Phorate	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Prometon	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Prometryn	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Propazine	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Simazine	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Temephos	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Terbufos	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Terbutryn	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Triallate	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Trifluralin	mg/kg	0.005	-	-	-	<0.005	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Petroleum Hydrocarbons																				
F1 (C6-C10)	mg/kg	5	<5	<5	NC	<5	<5	NC	-	-	-	<5	<5	NC	<5	<5	NC	<5	<5	NC
F1-BTEX	mg/kg	5	<5	<5	NC	<5	<5	NC	-	-	-	<5	<5	NC	<5	<5	NC	<5	<5	NC
F2 (C10-C16)	mg/kg	10	<10	<10	NC	<10	<10	NC	-	-	-	<10	<10	NC	<10	<10	NC	<10	<10	NC
F3 (C16-C34)	mg/kg	50	<50	<50	NC	<50	<50	NC	-	-	-	<50	<50	NC	<50	<50	NC	<50	<50	NC
F4 (C34-C50)	mg/kg	50	<50	<50	NC	<50	<50	NC	-	-	-	<50	<50	NC	<50	<50	NC	<50	<50	NC
F4G-SG (GHH-Silica)	mg/kg	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	80	<80	<80	NC	<80	<80	NC	-	-	-	<80	<80	NC	<80	<80	NC	<80	<80	NC
Polychlorinated Biphenyls																				
Aroclor 1016	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1221	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1232	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1242	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1248	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1254	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1260	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1262	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Aroclor 1268	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC
Polychlorinated biphenyls	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC
Polycyclic Aromatic Hydrocarbons																				
1+2-Methylnaphthalene	mg/kg	0.0075	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC	-	-	-	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC
1-Methylnaphthalene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
2-Methylnaphthalene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Acenaphthene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Acenaphthylene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Acridine	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Anthracene	mg/kg	0.004	<0.004	<0.004	NC	<0.004	<0.004	NC	-	-	-	<0.004	<0.004	NC	<0.004	<0.004	NC	<0.004	<0.004	NC
B[a]P TPE Total Potency Equivalents	mg/kg	0.02	<0.02	<0.02	NC	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC
Benz[a]anthracene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[a]pyrene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	0.0127	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Benzo[b,j,k]fluoranthene	mg/kg	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[e]pyrene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[g,h,i]perylene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Benzo[k]fluoranthene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Chrysene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Dibenz[a,h]anthracene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Fluoranthene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Fluorene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
IACR AB (coarse)	unitless	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IACR AB (fine)	unitless	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.15	<0.15	<0.15	NC	<0.15	<0.15	NC	-	-	-	<0.15	<0.15	NC	<0.15	<0.15	NC	<0.15	<0.15	NC
Naphthalene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
PAHs, total (BC Sched 3.4)	mg/kg	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Phenanthrene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Pyrene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Quinoline	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC2		RPD	APEC2		RPD
		Sample Name	CAMP13-SS1	CAMP13-DUP		CAMP7-SS1	CAMP7-DUP		PS28-SS1	PS28-DUP		PS28-SS1	PS28-DUP		PS15-SS1	PS15-DUP		PS21-SS1	PS21-DUP	
		Sample Date	2022-Aug-25	2022-Aug-25		2022-Aug-23	2022-Aug-23		2022-Aug-22	2022-Aug-22		2022-Aug-23	2022-Aug-23		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24	
		Lab Job Number	WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213045	WT2213045		WT2213045	WT2213045	
Parameter	Units	Lab Sample ID	WT2213044-044	WT2213044-046		WT2213044-025	WT2213044-033		WT2213044-004	WT2213044-007		WT2213044-004	WT2213044-007		WT2213045-034	WT2213045-037		WT2213045-011	WT2213045-010	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Total Metals																				
Aluminum	mg/kg	50	1460	1560	7%	1800	1360	28%	-	-	-	1400	1420	1%	2090	1490	34%	2450	1800	31%
Antimony	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Arsenic	mg/kg	0.1	0.55	0.48	NC	0.61	0.71	15%	-	-	-	0.48	0.69	NC	0.79	0.59	29%	0.72	0.82	13%
Barium	mg/kg	0.5	4.65	5.45	16%	4.75	4.07	15%	-	-	-	4.01	4.24	6%	8.3	5.69	37%	9.08	6.2	38%
Beryllium	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	0.11	<0.1	NC	<0.1	<0.1	NC
Bismuth	mg/kg	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Boron	mg/kg	5	<5	<5	NC	<5	<5	NC	-	-	-	<5	<5	NC	<5	<5	NC	<5	<5	NC
Boron, hot water soluble	mg/kg	0.1	<0.1	<0.1	NC	<0.1	-	-	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Cadmium	mg/kg	0.02	<0.02	0.099	NC	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC	0.039	<0.02	NC	<0.02	<0.02	NC
Calcium	mg/kg	50	314	360	14%	333	204	NC	-	-	-	309	340	10%	492	387	24%	557	427	26%
Chromium	mg/kg	0.5	2.18	2.34	NC	3.71	2.13	NC	-	-	-	2.06	2.65	NC	3.64	2.98	20%	3.53	2.48	NC
Chromium (hexavalent)	mg/kg	0.1	<0.1	<0.1	NC	<0.1	-	-	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Cobalt	mg/kg	0.1	0.9	0.69	26%	0.96	0.83	15%	-	-	-	0.87	0.99	13%	1.43	1.25	13%	1.61	1.19	30%
Copper	mg/kg	0.5	1.57	1.44	NC	0.65	0.53	NC	-	-	-	1.07	1.27	NC	0.86	0.78	NC	1.06	0.82	NC
Iron	mg/kg	50	3460	3550	3%	4750	3430	32%	-	-	-	3990	4280	7%	4530	3860	16%	4370	3530	21%
Lead	mg/kg	0.5	1.47	2.51	NC	1.42	1.14	NC	-	-	-	1.28	1.8	NC	2.6	2.91	11%	1.6	1.84	NC
Lithium	mg/kg	2	<2	2.4	NC	2.2	<2	NC	-	-	-	<2	<2	NC	3.1	<2	NC	4.5	2.7	NC
Magnesium	mg/kg	20	735	658	11%	815	630	26%	-	-	-	636	689	8%	1080	722	40%	1550	944	49%
Manganese	mg/kg	1	31.8	26.8	17%	42.9	41.2	4%	-	-	-	27.7	30.7	10%	56.4	36.8	42%	69.2	51.6	29%
Mercury	mg/kg	0.005	<0.005	0.0107	NC	<0.005	-	-	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Molybdenum	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	0.11	<0.1	NC	<0.1	<0.1	NC
Nickel	mg/kg	0.5	1.13	0.99	NC	1.46	1.08	NC	-	-	-	1.1	1.38	NC	1.96	1.26	NC	2.26	1.53	NC
Phosphorus	mg/kg	50	103	95	NC	121	94	NC	-	-	-	115	134	NC	169	137	NC	129	154	NC
Potassium	mg/kg	100	190	180	NC	240	170	NC	-	-	-	180	180	NC	310	220	NC	480	240	NC
Selenium	mg/kg	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Silver	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Sodium	mg/kg	50	<50	<50	NC	<50	<50	NC	-	-	-	<50	<50	NC	<50	<50	NC	<50	<50	NC
Strontium	mg/kg	0.5	6.11	6.81	11%	6.59	5.28	22%	-	-	-	6.27	7.24	14%	9.1	7.24	23%	8.7	9.18	5%
Sulphur	mg/kg	1000	<1000	<1000	NC	<1000	<1000	NC	-	-	-	<1000	<1000	NC	<1000	<1000	NC	<1000	<1000	NC
Thallium	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Tin	mg/kg	2	<2	<2	NC	<2	<2	NC	-	-	-	<2	<2	NC	<2	<2	NC	<2	<2	NC
Titanium	mg/kg	1	128	128	0%	183	106	53%	-	-	-	101	117	15%	161	119	30%	167	115	37%
Tungsten	mg/kg	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Uranium	mg/kg	0.05	0.286	0.197	NC	0.235	0.176	NC	-	-	-	0.292	0.273	7%	0.356	0.299	17%	0.332	0.278	18%
Vanadium	mg/kg	0.2	5.75	5.99	4%	8.47	5.34	45%	-	-	-	6.97	7.52	8%	7.58	6.19	20%	6.49	5.3	20%
Zinc	mg/kg	2	5.8	10	NC	6	5	NC	-	-	-	5	5.4	NC	9.3	8.6	NC	9.7	7	NC
Zirconium	mg/kg	1	1.2	<1	NC	<1	<1	NC	-	-	-	<1	<1	NC	<1	<1	NC	1.3	<1	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC1		RPD	APEC2		RPD	APEC2		RPD
		Sample Name	CAMP13-SS1	CAMP13-DUP		CAMP7-SS1	CAMP7-DUP		PS28-SS1	PS28-DUP		PS28-SS1	PS28-DUP		PS15-SS1	PS15-DUP		PS21-SS1	PS21-DUP	
		Sample Date	2022-Aug-25	2022-Aug-25		2022-Aug-23	2022-Aug-23		2022-Aug-22	2022-Aug-22		2022-Aug-23	2022-Aug-23		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24	
		Lab Job Number	WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213044	WT2213044		WT2213045	WT2213045		WT2213045	WT2213045	
Parameter	Units	Lab Sample ID	WT2213044-044	WT2213044-046		WT2213044-025	WT2213044-033		WT2213044-004	WT2213044-007		WT2213044-004	WT2213044-007		WT2213045-034	WT2213045-037		WT2213045-011	WT2213045-010	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,1,1-Trichloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,1,2,2-Tetrachloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,1,2-Trichloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,1-Dichloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,1-Dichloroethene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,2-Dibromoethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,2-Dichlorobenzene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,2-Dichloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,2-Dichloropropane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,3-Dichlorobenzene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,3-Dichloropropene (cis+trans)	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
1,4-Dichlorobenzene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Acetone	mg/kg	0.5	-	-	-	<0.5	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
BTEX, total	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Benzene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Bromodichloromethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Bromoform	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Bromomethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Carbon disulfide	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Carbon tetrachloride	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Chlorobenzene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Chloroethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Chloroform	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Chloromethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Dibromochloromethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichlorodifluoromethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichloromethane	mg/kg	0.045	-	-	-	<0.045	-	-	-	-	-	<0.045	<0.045	NC	<0.045	<0.045	NC	<0.045	<0.045	NC
Dichloropropylene, cis-1,3-	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC
Dichloropropylene, trans-1,3-	mg/kg	0.03	-	-	-	<0.03	-	-	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC
Dioxane, 1,4-	mg/kg	0.2	-	-	-	<0.2	-	-	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Ethylbenzene	mg/kg	0.015	<0.015	<0.015	NC	<0.015	<0.015	NC	-	-	-	<0.015	<0.015	NC	<0.015	<0.015	NC	<0.015	<0.015	NC
Hexanone, 2-	mg/kg	0.5	-	-	-	<0.5	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	<0.5	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Methyl Isobutyl Ketone	mg/kg	0.5	-	-	-	<0.5	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Methyl tert-butyl ether (MTBE)	mg/kg	0.04	-	-	-	<0.04	-	-	-	-	-	<0.04	<0.04	NC	<0.04	<0.04	NC	<0.04	<0.04	NC
Styrene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Tetrachloroethylene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Tetraethyl lead	mg/kg	0.0005	-	-	-	-	-	-	<0.0005	<0.0005	NC	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Trichloroethylene	mg/kg	0.01	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Trichlorofluoromethane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Trihalomethanes [THMs], total	mg/kg	0.1	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Vinyl Chloride	mg/kg	0.02	-	-	-	<0.02	-	-	-	-	-	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC
Xylene (m & p)	mg/kg	0.03	<0.03	<0.03	NC	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC
Xylene (o)	mg/kg	0.03	<0.03	<0.03	NC	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC
Xylenes (total)	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
cis-1,2-Dichloroethene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
n-Hexane	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
trans-1,2-Dichloroethene	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC

Notes:

RDL - reported detection limit - may vary between sample locations and events

RPD - Relative Percent Difference

NC - No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit

Orange - RPD exceeds 60% (Soil data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC3		RPD
		Sample Name	PS24-SS1	PS24-DUP		SITE1-12-SS1	SITE1-12-DUP		SITE1-1-SS1	SITE1-DUP		SITE1-5-SS1	SITE1-5-DUP		SITE1-9-SS1	SITE1-9-DUP		PS12-SS1	PS12-DUP	
		Sample Date	2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213045	WT2213045		WT2213045	WT2213045		WT2213045	WT2213045		WT2213046	WT2213046		WT2213045	WT2213045		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213045-038	WT2213045-053		WT2213045-024	WT2213045-026		WT2213045-041	WT2213045-043		WT2213046-008	WT2213046-010		WT2213045-017	WT2213045-019		WT2213042-031	WT2213042-039	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Dioxins and Furans		RDL																		
1,2,3,4,6,7,8-Hepta CDD	pg/g	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,6,7,8-Hepta CDF	pg/g	0.026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8,9-Hepta CDF	pg/g	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-Hexa CDD	pg/g	0.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-Hexa CDF	pg/g	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-Hexa CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-Hexa CDF	pg/g	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-Hexa CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-Hexa CDF	pg/g	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-Penta CDD	pg/g	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-Penta CDF	pg/g	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6,7,8-Hexa CDF	pg/g	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,7,8-Penta CDF	pg/g	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,7,8-Tetra CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,7,8-Tetra CDF	pg/g	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lower Bound PCDD/F TEQ (WHO 2005)	pg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid Point PCDD/F TEQ (WHO 2005)	pg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octa CDD	pg/g	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octa CDF	pg/g	0.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hepta CDD	pg/g	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hepta CDF	pg/g	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hexa CDD	pg/g	0.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hexa CDF	pg/g	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Penta CDD	pg/g	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Penta CDF	pg/g	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Tetra CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Tetra CDF	pg/g	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Upper Bound PCDD/F TEQ (WHO 2005)	pg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																				
Carbon, fraction organic [FOC]	g/g	0.001	<0.001	-	-	-	-	-	-	-	-	0.0174	0.0127	31%	-	-	-	<0.001	0.0033	NC
Fines (<0.075mm)	%	1	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	0.1	2.12	2.09	1%	2.39	2.69	12%	2.35	2.08	12%	2.05	<0.25	NC	1.76	2	13%	4.13	7.87	62%
Sieve - #200 (>0.075mm)	%	1	97.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	0.1	<0.1	-	-	-	-	-	-	-	-	1.74	1.27	31%	-	-	-	<0.1	0.33	NC
pH	pH units	0.1	4.59	-	-	-	-	-	-	-	-	3.74	4.24	13%	-	-	-	4.47	4.49	0%
Glycols																				
Diethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides																				
Aldrin	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, cis- (alpha)	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, total	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans- (gamma)	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD, 2,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD, 4,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE, 2,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE, 4,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 2,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 4,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloro diphenyl dichloroethane (DDD)	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloro diphenyl ethylene (DDE)	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloro diphenyl trichloroethane (DDT)	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan, alpha-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan, beta-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, alpha-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, beta-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, delta-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, gamma-	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC3		RPD
		Sample Name	PS24-SS1	PS24-DUP		SITE1-12-SS1	SITE1-12-DUP		SITE1-1-SS1	SITE1-DUP		SITE1-5-SS1	SITE1-5-DUP		SITE1-9-SS1	SITE1-9-DUP		PS12-SS1	PS12-DUP	
		Sample Date	2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213045	WT2213045		WT2213045	WT2213045		WT2213045	WT2213045		WT2213046	WT2213046		WT2213045	WT2213045		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213045-038	WT2213045-053		WT2213045-024	WT2213045-026		WT2213045-041	WT2213045-043		WT2213046-008	WT2213046-010		WT2213045-017	WT2213045-019		WT2213042-031	WT2213042-039	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Organophosphate Pesticides																				
Alachlor	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ametryn	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine-desethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Azinphos-methyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diclofop-methyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethoate	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethalfluralin	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metolachlor	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metribuzin	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parathion	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parathion-methyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prometon	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prometryn	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temephos	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbufos	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbutryn	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triallate	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluralin	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10)	mg/kg	5	<5	<5	NC	-	-	-	-	-	-	<5	<5	NC	-	-	-	<5	<5	NC
F1-BTEX	mg/kg	5	<5	<5	NC	-	-	-	-	-	-	<5	<5	NC	-	-	-	<5	<5	NC
F2 (C10-C16)	mg/kg	10	<10	<10	NC	-	-	-	-	-	-	26	26	NC	-	-	-	<10	<10	NC
F3 (C16-C34)	mg/kg	50	<50	<50	NC	-	-	-	-	-	-	2800	4190	40%	-	-	-	<50	<50	NC
F4 (C34-C50)	mg/kg	50	<50	<50	NC	-	-	-	-	-	-	2090	3030	37%	-	-	-	<50	<50	NC
F4G-SG (GHH-Silica)	mg/kg	250	-	-	-	-	-	-	-	-	-	4420	6170	33%	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	80	<80	<80	NC	-	-	-	-	-	-	4920	7250	38%	-	-	-	<80	<80	NC
Aroclor 1016	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1+2-Methylnaphthalene	mg/kg	0.0075	<0.0075	<0.015	NC	-	-	-	-	-	-	<0.0075	<0.0075	NC	-	-	-	<0.0075	<0.0075	NC
1-Methylnaphthalene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
2-Methylnaphthalene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Acenaphthene	mg/kg	0.005	<0.005	<0.005	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Acenaphthylene	mg/kg	0.005	<0.005	<0.005	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Acridine	mg/kg	0.01	<0.01	<0.01	NC	-	-	-	-	-	-	<0.08	0.134	NC	-	-	-	<0.01	<0.01	NC
Anthracene	mg/kg	0.004	<0.004	<0.004	NC	-	-	-	-	-	-	<0.01	<0.012	NC	-	-	-	<0.004	<0.004	NC
B[a]P TPE Total Potency Equivalents	mg/kg	0.02	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02	NC	-	-	-	<0.02	<0.02	NC
Benz[a]anthracene	mg/kg	0.01	<0.01	<0.01	NC	-	-	-	-	-	-	<0.01	<0.026	NC	-	-	-	<0.01	<0.01	NC
Benzo[a]pyrene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	0.0062	NC	-	-	-	<0.005	<0.005	NC
Benzo[b,j,k]fluoranthene	mg/kg	0.015	-	<0.015	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.01	<0.01	<0.01	NC	-	-	-	-	-	-	0.016	0.014	NC	-	-	-	<0.01	<0.01	NC
Benzo[e]pyrene	mg/kg	0.01	<0.01	-	-	-	-	-	-	-	-	0.024	0.026	NC	-	-	-	<0.01	<0.01	NC
Benzo[g,h,i]perylene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Benzo[k]fluoranthene	mg/kg	0.01	<0.01	<0.01	NC	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Chrysene	mg/kg	0.01	<0.01	<0.01	NC	-	-	-	-	-	-	0.115	0.116	1%	-	-	-	<0.01	<0.01	NC
Dibenz[a,h]anthracene	mg/kg	0.005	<0.005	<0.005	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Fluoranthene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	0.0353	0.0422	18%	-	-	-	<0.005	<0.005	NC
Fluorene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
IACR AB (coarse)	unitless	0.1	-	<0.1	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IACR AB (fine)	unitless	0.1	-	<0.1	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	0.01	<0.01	<0.01	NC	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.15	<0.15	<0.15	NC	-	-	-	-	-	-	0.22	0.24	NC	-	-	-	<0.15	<0.15	NC
Naphthalene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
PAHs, total (BC Sched 3.4)	mg/kg	0.04	-	<0.04	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	0.14	-	<0.14	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	0.04	-	<0.04	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	0.01	<0.01	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	<0.01	<0.01	NC
Phenanthrene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	0.0197	0.0337	NC	-	-	-	<0.005	<0.005	NC
Pyrene	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	0.0399	0.0468	16%	-	-	-	<0.005	<0.005	NC
Quinoline	mg/kg	0.005	<0.005	<0.01	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC3		RPD
		Sample Name	PS24-SS1	PS24-DUP		SITE1-12-SS1	SITE1-12-DUP		SITE1-1-SS1	SITE1-DUP		SITE1-5-SS1	SITE1-5-DUP		SITE1-9-SS1	SITE1-9-DUP		PS12-SS1	PS12-DUP	
		Sample Date	2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213045	WT2213045		WT2213045	WT2213045		WT2213045	WT2213045		WT2213046	WT2213046		WT2213045	WT2213045		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213045-038	WT2213045-053		WT2213045-024	WT2213045-026		WT2213045-041	WT2213045-043		WT2213046-008	WT2213046-010		WT2213045-017	WT2213045-019		WT2213042-031	WT2213042-039	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Total Metals																				
Aluminum	mg/kg	50	1220	1430	16%	-	-	-	-	-	-	2080	1260	49%	-	-	-	787	589	29%
Antimony	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Arsenic	mg/kg	0.1	0.48	0.64	NC	-	-	-	-	-	-	0.52	0.71	31%	-	-	-	0.3	0.24	NC
Barium	mg/kg	0.5	4.48	5.99	29%	-	-	-	-	-	-	6.06	4.57	28%	-	-	-	3.8	3.12	20%
Beryllium	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Bismuth	mg/kg	0.2	<0.2	<0.2	NC	-	-	-	-	-	-	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC
Boron	mg/kg	5	<5	<5	NC	-	-	-	-	-	-	<5	<5	NC	-	-	-	<5	<5	NC
Boron, hot water soluble	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Cadmium	mg/kg	0.02	0.034	0.034	NC	-	-	-	-	-	-	0.089	0.047	NC	-	-	-	<0.02	<0.02	NC
Calcium	mg/kg	50	283	399	34%	-	-	-	-	-	-	258	236	NC	-	-	-	169	110	NC
Chromium	mg/kg	0.5	1.95	2.59	NC	-	-	-	-	-	-	2.74	2.24	NC	-	-	-	0.87	0.75	NC
Chromium (hexavalent)	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Cobalt	mg/kg	0.1	0.89	0.98	10%	-	-	-	-	-	-	0.65	0.63	3%	-	-	-	0.28	0.22	NC
Copper	mg/kg	0.5	0.62	0.81	NC	-	-	-	-	-	-	1.43	4.79	NC	-	-	-	<0.5	<0.5	NC
Iron	mg/kg	50	2710	3400	23%	-	-	-	-	-	-	4600	3610	24%	-	-	-	1020	944	8%
Lead	mg/kg	0.5	1.22	1.36	NC	-	-	-	-	-	-	8.18	61.5	153%	-	-	-	0.98	0.74	NC
Lithium	mg/kg	2	<2	2.5	NC	-	-	-	-	-	-	2.2	<2	NC	-	-	-	<2	<2	NC
Magnesium	mg/kg	20	636	741	15%	-	-	-	-	-	-	603	528	13%	-	-	-	325	252	25%
Manganese	mg/kg	1	34.2	38.7	12%	-	-	-	-	-	-	25.5	25.9	2%	-	-	-	10	7.9	23%
Mercury	mg/kg	0.005	<0.005	<0.005	NC	-	-	-	-	-	-	0.0158	0.0073	NC	-	-	-	<0.005	<0.005	NC
Molybdenum	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Nickel	mg/kg	0.5	1.17	1.2	NC	-	-	-	-	-	-	1.02	0.92	NC	-	-	-	<0.5	<0.5	NC
Phosphorus	mg/kg	50	118	136	NC	-	-	-	-	-	-	184	111	NC	-	-	-	55	<50	NC
Potassium	mg/kg	100	180	200	NC	-	-	-	-	-	-	200	180	NC	-	-	-	100	<100	NC
Selenium	mg/kg	0.2	<0.2	<0.2	NC	-	-	-	-	-	-	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC
Silver	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Sodium	mg/kg	50	<50	<50	NC	-	-	-	-	-	-	<50	<50	NC	-	-	-	<50	<50	NC
Strontium	mg/kg	0.5	6.27	8.23	27%	-	-	-	-	-	-	5.56	6.67	18%	-	-	-	5.08	3.89	27%
Sulphur	mg/kg	1000	<1000	<1000	NC	-	-	-	-	-	-	<1000	<1000	NC	-	-	-	<1000	<1000	NC
Thallium	mg/kg	0.05	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC
Tin	mg/kg	2	<2	<2	NC	-	-	-	-	-	-	<2	<2	NC	-	-	-	<2	<2	NC
Titanium	mg/kg	1	76.7	113	38%	-	-	-	-	-	-	107	101	6%	-	-	-	50.8	36.3	33%
Tungsten	mg/kg	0.5	<0.5	<0.5	NC	-	-	-	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Uranium	mg/kg	0.05	0.219	0.304	NC	-	-	-	-	-	-	0.328	0.216	NC	-	-	-	0.139	0.094	NC
Vanadium	mg/kg	0.2	4.03	5.24	26%	-	-	-	-	-	-	7.31	5.6	26%	-	-	-	2.23	1.87	18%
Zinc	mg/kg	2	6.2	5.3	NC	-	-	-	-	-	-	4.9	5.2	NC	-	-	-	2.1	<2	NC
Zirconium	mg/kg	1	<1	<1	NC	-	-	-	-	-	-	<1	<1	NC	-	-	-	<1	<1	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC2		RPD	APEC3		RPD
		Sample Name	PS24-SS1	PS24-DUP		SITE1-12-SS1	SITE1-12-DUP		SITE1-1-SS1	SITE1-DUP		SITE1-5-SS1	SITE1-5-DUP		SITE1-9-SS1	SITE1-9-DUP		PS12-SS1	PS12-DUP	
		Sample Date	2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-24	2022-Aug-24		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213045	WT2213045		WT2213045	WT2213045		WT2213045	WT2213045		WT2213046	WT2213046		WT2213045	WT2213045		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213045-038	WT2213045-053		WT2213045-024	WT2213045-026		WT2213045-041	WT2213045-043		WT2213046-008	WT2213046-010		WT2213045-017	WT2213045-019		WT2213042-031	WT2213042-039	
		Sample Depth	0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3	
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BTEX, total	mg/kg	0.1	<0.1	<0.1	NC	-	-	-	-	-	-	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Benzene	mg/kg	0.005	<0.005	<0.005	NC	-	-	-	-	-	-	<0.005	<0.005	NC	-	-	-	<0.005	<0.005	NC
Bromodichloromethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	0.045	<0.045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	0.03	<0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	0.03	<0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.015	<0.015	<0.015	NC	-	-	-	-	-	-	<0.015	<0.015	NC	-	-	-	<0.015	<0.015	NC
Hexanone, 2-	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	0.04	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethyl lead	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.05	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC
Trichloroethylene	mg/kg	0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trihalomethanes [THMs], total	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	mg/kg	0.02	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	0.03	<0.03	<0.03	NC	-	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC
Xylene (o)	mg/kg	0.03	<0.03	<0.03	NC	-	-	-	-	-	-	<0.03	<0.03	NC	-	-	-	<0.03	<0.03	NC
Xylenes (total)	mg/kg	0.05	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC
cis-1,2-Dichloroethene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

RDL - reported detection limit - may vary between sample locations and events

RPD - Relative Percent Difference

NC - No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit

Orange - RPD exceeds 60% (Soil data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	Background		RPD
		Sample Name	PS2-SS2	PS2-DUP		PS7-SS2	PS7-DUP		SITE2-1-SS1	SITE2-1-DUP		SITE2-4-SS1	SITE2-4-DUP		SITE2-6-SS2	SITE2-6-DUP		BG1-SS3	BG1-DUP	
		Sample Date	2022-Aug-26	2022-Aug-26		2022-Aug-26	2022-Aug-26		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213043		WT2213043	WT2213043		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213042-017	WT2213042-037		WT2213042-026	WT2213042-038		WT2213042-040	WT2213042-042		WT2213042-047	WT2213043-048		WT2213043-005	WT2213043-001		WT2213042-003	WT2213042-004	
		Sample Depth	0.5 - 0.6	0.5 - 0.6		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3	
Dioxins and Furans		RDL																		
1,2,3,4,6,7,8-Hepta CDD	pg/g	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,6,7,8-Hepta CDF	pg/g	0.026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8,9-Hepta CDF	pg/g	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-Hexa CDD	pg/g	0.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-Hexa CDF	pg/g	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-Hexa CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-Hexa CDF	pg/g	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-Hexa CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-Hexa CDF	pg/g	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-Penta CDD	pg/g	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-Penta CDF	pg/g	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6,7,8-Hexa CDF	pg/g	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,7,8-Penta CDF	pg/g	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,7,8-Tetra CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,7,8-Tetra CDF	pg/g	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lower Bound PCDD/F TEQ (WHO 2005)	pg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid Point PCDD/F TEQ (WHO 2005)	pg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octa CDD	pg/g	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octa CDF	pg/g	0.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hepta CDD	pg/g	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hepta CDF	pg/g	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hexa CDD	pg/g	0.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hexa CDF	pg/g	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Penta CDD	pg/g	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Penta CDF	pg/g	0.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Tetra CDD	pg/g	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Tetra CDF	pg/g	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Upper Bound PCDD/F TEQ (WHO 2005)	pg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																				
Carbon, fraction organic [FOC]	g/g	0.001	<0.001	<0.001	NC	<0.001	0.0011	NC	<0.001	<0.001	NC	0.0014	0.0011	NC	<0.001	0.0011	NC	0.0069	0.0119	53%
Fines (<0.075mm)	%	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	NC
Moisture	%	0.1	2.52	1.51	50%	3.36	2.18	43%	4.7	6.39	30%	5.93	11.5	64%	19.4	7.23	91%	2.18	7.5	110%
Sieve - #200 (>0.075mm)	%	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98.8	NC
Total Organic Carbon	%	0.1	<0.1	<0.1	NC	<0.1	0.11	NC	<0.1	<0.1	NC	0.14	0.11	NC	<0.1	0.11	NC	0.69	1.19	53%
pH	pH units	0.1	4.76	4.65	2%	6.49	4.75	31%	4.28	4.62	8%	4.5	4.52	0%	5.2	4.55	13%	3.93	4.13	5%
Glycols																				
Diethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propanediol, 1,3-	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triethylene glycol	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides																				
Aldrin	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, cis- (alpha)	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, total	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans- (gamma)	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD, 2,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD, 4,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE, 2,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE, 4,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 2,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 4,4'-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloro diphenyl dichloroethane (DDD)	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloro diphenyl ethylene (DDE)	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloro diphenyl trichloroethane (DDT)	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan, alpha-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan, beta-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, alpha-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, beta-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, delta-	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclohexane, gamma-	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	Background		RPD
		Sample Name	PS2-SS2	PS2-DUP		PS7-SS2	PS7-DUP		SITE2-1-SS1	SITE2-1-DUP		SITE2-4-SS1	SITE2-4-DUP		SITE2-6-SS2	SITE2-6-DUP		BG1-SS3	BG1-DUP	
		Sample Date	2022-Aug-26	2022-Aug-26		2022-Aug-26	2022-Aug-26		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213043		WT2213043	WT2213043		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213042-017	WT2213042-037		WT2213042-026	WT2213042-038		WT2213042-040	WT2213042-042		WT2213042-047	WT2213043-048		WT2213043-005	WT2213043-001		WT2213042-003	WT2213042-004	
		Sample Depth	0.5 - 0.6	0.5 - 0.6		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3	
Organophosphate Pesticides																				
Alachlor	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ametryn	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine-desethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Azinphos-methyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diclofop-methyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethoate	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethalfluralin	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metolachlor	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metribuzin	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parathion	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parathion-methyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prometon	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prometryn	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temephos	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbufos	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbutryn	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triallate	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluralin	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10)	mg/kg	5	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC
F1-BTEX	mg/kg	5	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC
F2 (C10-C16)	mg/kg	10	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC
F3 (C16-C34)	mg/kg	50	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	52	NC
F4 (C34-C50)	mg/kg	50	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC
F4G-SG (GHH-Silica)	mg/kg	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	80	<80	<80	NC	<80	<80	NC	<80	<80	NC	<80	<80	NC	<80	<80	NC	<80	<80	NC
Aroclor 1016	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1+2-Methylnaphthalene	mg/kg	0.0075	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC	<0.0075	<0.0075	NC
1-Methylnaphthalene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
2-Methylnaphthalene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Acenaphthene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Acenaphthylene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Acridine	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Anthracene	mg/kg	0.004	<0.004	<0.004	NC	<0.004	<0.004	NC	<0.004	<0.004	NC	<0.004	<0.004	NC	<0.004	<0.004	NC	<0.004	<0.004	NC
B[a]P TPE Total Potency Equivalents	mg/kg	0.02	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC
Benz[a]anthracene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[a]pyrene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Benzo[b,j,k]fluoranthene	mg/kg	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[b,j]fluoranthene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[e]pyrene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[g,h,i]perylene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Benzo[k]fluoranthene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Chrysene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Dibenz[a,h]anthracene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Fluoranthene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Fluorene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
IACR AB (coarse)	unitless	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IACR AB (fine)	unitless	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-c,d]pyrene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.15	<0.15	<0.15	NC	<0.15	<0.15	NC	<0.15	<0.15	NC	<0.15	<0.15	NC	<0.15	<0.15	NC	<0.15	<0.15	NC
Naphthalene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
PAHs, total (BC Sched 3.4)	mg/kg	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16 - DAS)	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs, total (EPA 16)	mg/kg	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Phenanthrene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Pyrene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Quinoline	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	Background		RPD
		Sample Name	PS2-SS2	PS2-DUP		PS7-SS2	PS7-DUP		SITE2-1-SS1	SITE2-1-DUP		SITE2-4-SS1	SITE2-4-DUP		SITE2-6-SS2	SITE2-6-DUP		BG1-SS3	BG1-DUP	
		Sample Date	2022-Aug-26	2022-Aug-26		2022-Aug-26	2022-Aug-26		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213043		WT2213043	WT2213043		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213042-017	WT2213042-037		WT2213042-026	WT2213042-038		WT2213042-040	WT2213042-042		WT2213042-047	WT2213043-048		WT2213043-005	WT2213043-001		WT2213042-003	WT2213042-004	
		Sample Depth	0.5 - 0.6	0.5 - 0.6		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3	
Total Metals																				
Aluminum	mg/kg	50	2420	1150	71%	1120	1420	24%	664	912	31%	933	938	1%	803	1530	62%	534	-	-
Antimony	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	-	-
Arsenic	mg/kg	0.1	1.09	0.53	69%	0.38	0.45	NC	0.25	0.32	NC	0.4	0.46	NC	0.34	0.42	NC	0.23	-	-
Barium	mg/kg	0.5	12.6	4.87	88%	6.48	7.28	12%	3.01	5.14	52%	4.55	5.61	21%	4.28	5.78	30%	2.2	-	-
Beryllium	mg/kg	0.1	0.15	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	-	-
Bismuth	mg/kg	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	-	-
Boron	mg/kg	5	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC	<5	-	-
Boron, hot water soluble	mg/kg	0.1	-	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	<0.1	NC	-	-	-
Cadmium	mg/kg	0.02	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	-	-
Calcium	mg/kg	50	730	326	77%	317	358	12%	132	261	NC	227	232	NC	298	443	39%	97	-	-
Chromium	mg/kg	0.5	5.33	1.82	NC	1.45	2.51	NC	0.92	1.22	NC	1.21	1.17	NC	1.29	2.23	NC	0.53	-	-
Chromium (hexavalent)	mg/kg	0.1	-	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	<0.1	NC	-	-	-
Cobalt	mg/kg	0.1	2.88	0.8	113%	0.9	0.92	2%	0.29	0.48	NC	0.49	0.42	NC	0.44	0.64	NC	0.23	-	-
Copper	mg/kg	0.5	2.12	0.59	NC	0.84	0.81	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	0.54	0.61	NC	<0.5	-	-
Iron	mg/kg	50	6150	3480	55%	2900	3510	19%	1230	1790	37%	1930	2070	7%	2340	2260	3%	1100	-	-
Lead	mg/kg	0.5	18.2	1.64	NC	1.41	1.62	NC	0.77	0.87	NC	0.82	0.81	NC	1.14	1.24	NC	0.58	-	-
Lithium	mg/kg	2	4.7	<2	NC	<2	2.2	NC	<2	<2	NC	<2	<2	NC	<2	2.9	NC	<2	-	-
Magnesium	mg/kg	20	1470	592	85%	694	750	8%	326	446	31%	496	460	8%	422	735	54%	248	-	-
Manganese	mg/kg	1	98.7	30.2	106%	35.6	34.9	2%	10.8	16.6	42%	16.8	15.6	7%	15.4	23.4	41%	9.1	-	-
Mercury	mg/kg	0.005	-	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	-	<0.005	NC	-	-	-
Molybdenum	mg/kg	0.1	0.12	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	-	-
Nickel	mg/kg	0.5	2.38	0.93	NC	0.9	1.16	NC	<0.5	0.67	NC	0.62	0.74	NC	<0.5	0.79	NC	<0.5	-	-
Phosphorus	mg/kg	50	236	114	NC	83	107	NC	<50	75	NC	91	66	NC	85	118	NC	<50	-	-
Potassium	mg/kg	100	400	170	NC	310	220	NC	100	110	NC	120	130	NC	140	240	NC	<100	-	-
Selenium	mg/kg	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	-	-
Silver	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	-	-
Sodium	mg/kg	50	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	<50	NC	<50	-	-
Strontium	mg/kg	0.5	7.2	6.59	9%	5.13	5.65	10%	4.01	4.24	6%	4.77	4.46	7%	6.03	6.96	14%	4.21	-	-
Sulphur	mg/kg	1000	<1000	<1000	NC	<1000	<1000	NC	<1000	<1000	NC	<1000	<1000	NC	<1000	<1000	NC	<1000	-	-
Thallium	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	-	-
Tin	mg/kg	2	<2	<2	NC	<2	<2	NC	<2	<2	NC	<2	<2	NC	<2	<2	NC	<2	-	-
Titanium	mg/kg	1	218	100	74%	102	130	24%	43.3	75.7	54%	60.2	73.6	20%	63.1	125	66%	29.4	-	-
Tungsten	mg/kg	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	-	-
Uranium	mg/kg	0.05	0.417	0.213	NC	0.198	0.29	NC	0.104	0.183	NC	0.162	0.152	NC	0.178	0.217	NC	0.083	-	-
Vanadium	mg/kg	0.2	10.4	5.99	54%	3.67	5.63	42%	2.27	3.54	44%	3.46	3.02	14%	3.46	4.23	20%	1.46	-	-
Zinc	mg/kg	2	9.9	4.4	NC	4.9	4.9	NC	2.4	3.3	NC	3.5	3.2	NC	2.7	4.3	NC	<2	-	-
Zirconium	mg/kg	1	<1	<1	NC	1.3	<1	NC	<1	<1	NC	<1	<1	NC	1	<1	NC	<1	-	-

Pelly Lake Former Airstrip and Fuel Cache Site

Table 6: Soil Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 6: Soil Analytical Results Quality Assurance/Quality Control		Site Name	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	APEC3		RPD	Background		RPD
		Sample Name	PS2-SS2	PS2-DUP		PS7-SS2	PS7-DUP		SITE2-1-SS1	SITE2-1-DUP		SITE2-4-SS1	SITE2-4-DUP		SITE2-6-SS2	SITE2-6-DUP		BG1-SS3	BG1-DUP	
		Sample Date	2022-Aug-26	2022-Aug-26		2022-Aug-26	2022-Aug-26		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-27	2022-Aug-27		2022-Aug-26	2022-Aug-26	
		Lab Job Number	WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213042		WT2213042	WT2213043		WT2213043	WT2213043		WT2213042	WT2213042	
Parameter	Units	Lab Sample ID	WT2213042-017	WT2213042-037		WT2213042-026	WT2213042-038		WT2213042-040	WT2213042-042		WT2213042-047	WT2213043-048		WT2213043-005	WT2213043-001		WT2213042-003	WT2213042-004	
		Sample Depth	0.5 - 0.6	0.5 - 0.6		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3		0.2 - 0.3	0.2 - 0.3		0.5 - 0.6	0.5 - 0.6		0.2 - 0.3	0.2 - 0.3	
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BTEX, total	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Benzene	mg/kg	0.005	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC	<0.005	<0.005	NC
Bromodichloromethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, cis-1,3-	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropylene, trans-1,3-	mg/kg	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.015	<0.015	<0.015	NC	<0.015	<0.015	NC	<0.015	<0.015	NC	<0.015	<0.015	NC	<0.015	<0.015	NC	<0.015	<0.015	NC
Hexanone, 2-	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetraethyl lead	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Trichloroethylene	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trihalomethanes [THMs], total	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	0.03	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC
Xylene (o)	mg/kg	0.03	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC	<0.03	<0.03	NC
Xylenes (total)	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
cis-1,2-Dichloroethene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

RDL - reported detection limit - may vary between sample locations and events

RPD - Relative Percent Difference

NC - No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit

Orange - RPD exceeds 60% (Soil data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Pelly Lake Former Airstrip and Fuel Cache Site
Table 7: Groundwater Analytical Results General Chemistry and Dissolved Metals

Pelly Lake Former Air Strip and Fuel Cache Site Table 7: Groundwater Analytical Results General Chemistry and Dissolved Metals				Site Name	APEC 3		
				Sample Name	GW5	GW6	GW6-DUP
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27
Parameter	Units	FIGQG (FWAL,	FIGQG (AG)	Lab Job Number	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-018	WT2213112-019	WT2213112-020
General Chemistry				RDL			
Alkalinity (Total as CaCO3)	mg/L	ng	ng	1	13.3	22.4	22.7
Bromide	mg/L	ng	ng	0.1	<0.1	<0.1	<0.1
Chloride	mg/L	120	100	0.5	1.62	0.5	<0.5
Fluoride	mg/L	0.12	1	0.02	0.068	0.102	0.094
Hardness (as CaCO3), dissolved	mg/L	ng	ng	0.5	15.4	30.7	31.2
Nitrate (as N)	mg/L	13	ng	0.02	<0.02	<0.02	<0.02
Nitrite (as N)	mg/L	0.06	10	0.01	<0.01	<0.01	<0.01
Phosphate, ortho-, dissolved (as P)	mg/L	ng	ng	0.003	<0.003	<0.003	<0.003
Sulphate	mg/L	100	1000	0.3	0.31	1.11	1.24
Total Dissolved Solids	mg/L	ng	3000	10, 13	31	42	44
Total Suspended Solids	mg/L	ng	ng	3, 3.8, 5	1440	604	56.3
pH	pH units	6.5 - 9	ng	0.1	7.11	7.16	7.38
Dissolved Metals							
Aluminum, dissolved	mg/L	0.1[1]	5	0.001	0.118	0.277	0.352
Antimony, dissolved	mg/L	2	ng	0.0001	0.00016	0.00012	0.00011
Arsenic, dissolved	mg/L	0.005	0.025	0.0001	0.00068	0.00043	0.00049
Barium, dissolved	mg/L	2.9	ng	0.0001	0.0308	0.0375	0.0399
Beryllium, dissolved	mg/L	0.0053	0.1	0.00002	0.000022	0.000045	0.000066
Bismuth, dissolved	mg/L	ng	ng	0.00005	<0.00005	<0.00005	<0.00005
Boron, dissolved	mg/L	ng	0.5	0.01	<0.01	0.186	0.185
Cadmium, dissolved	mg/L	0.000017	0.0051	0.000005	0.0000117	0.0000418	0.0000471
Calcium, dissolved	mg/L	ng	ng	0.05	2.34	7.63	7.77
Cesium, dissolved	mg/L	ng	ng	0.00001	<0.00001	0.000027	0.000035
Chromium, dissolved	mg/L	0.0089[2]	0.05	0.0005	0.00077	0.00069	0.00086
Cobalt, dissolved	mg/L	ng	0.05	0.0001	0.00163	0.00596	0.00614
Copper, dissolved	mg/L	0.002[3]	0.2	0.0002	0.00133	0.00451	0.00477
Iron, dissolved	mg/L	0.3	5	0.01	3.04	0.535	0.724
Lead, dissolved	mg/L	0.001[3]	0.1	0.00005	0.000098	0.0176	0.0187
Lithium, dissolved	mg/L	ng	ng	0.001	<0.001	0.0017	0.0018
Magnesium, dissolved	mg/L	ng	ng	0.005	2.32	2.83	2.87
Manganese, dissolved	mg/L	ng	0.2	0.0001	0.098	0.419	0.434
Mercury, dissolved	mg/L	0.000026[2]	0.003	0.000005	<0.000005	0.0000097	0.0000128
Molybdenum, dissolved	mg/L	0.073	ng	0.00005	0.000359	0.000161	0.00013
Nickel, dissolved	mg/L	0.025[3]	0.2	0.0005	0.0112	0.0068	0.00699
Phosphorus, dissolved	mg/L	ng	ng	0.05	<0.05	<0.05	<0.05
Potassium, dissolved	mg/L	ng	ng	0.05	0.626	1.2	1.18
Rubidium, dissolved	mg/L	ng	ng	0.0002	0.00079	0.00254	0.00238
Selenium, dissolved	mg/L	0.001	0.02	0.00005	0.000906	0.000062	0.000061
Silicon, dissolved	mg/L	ng	ng	0.05	2.2	2.63	3.25
Silver, dissolved	mg/L	0.0001[2]	0. 02	0.00001	<0.00001	<0.00001	0.000011
Sodium, dissolved	mg/L	ng	ng	0.05	3.21	1.49	1.5
Strontium, dissolved	mg/L	ng	ng	0.0002	0.00757	0.0246	0.0247
Sulphur, dissolved	mg/L	ng	ng	0.5	<0.5	1.02	0.95
Tellurium, dissolved	mg/L	ng	ng	0.0002	<0.0002	<0.0002	<0.0002
Thallium, dissolved	mg/L	0.0008	ng	0.00001	<0.00001	0.000016	0.000018
Thorium, dissolved	mg/L	ng	ng	0.0001	0.00021	0.00066	0.00086
Tin, dissolved	mg/L	ng	ng	0.0001	0.00011	<0.0001	<0.0001
Titanium, dissolved	mg/L	0.1	ng	0.0003	0.00193	0.0108	0.0145
Tungsten, dissolved	mg/L	ng	ng	0.0001	<0.0001	0.00014	0.00011
Uranium, dissolved	mg/L	0.015	0.01	0.00001	0.000064	0.000419	0.000459
Vanadium, dissolved	mg/L	ng	0.1	0.0005	0.0018	0.00093	0.00118
Zinc, dissolved	mg/L	0.03	0.01	0.001, 0.01	0.0066	8.79	9.51
Zirconium, dissolved	mg/L	ng	ng	0.0003	0.00074	0.00067	0.00069

Notes:
FIGQG - Federal Interim Groundwater Quality Guidelines, freshwater aquatic life (FWAL) and coarse-grained material, and agricultural land use (AG - lowest value of irrigation or livestock)
RDL - reported detection limit, may vary between sample locations and events
mg/L - milligrams per litre
ng - no guideline
(1) guideline is dependant on pH
(2) guideline is lowest of applicable pathways
(3) guideline is dependant on hardness

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 7: Groundwater Analytical Results General Chemistry and Dissolved Metals

Pelly Lake Former Air Strip and Fuel Cache Site Table 8: Groundwater Analytical Results Petroleum Hydrocarbons F1-F4 and Polycyclic Aromatic Hydrocarbons				Site Name	APEC 3		
				Sample Name	GW5	GW6	GW6-DUP
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27
Parameter	Units	Max Concentration	FIGQG (Tier 1, coarse)	Lab Job Number	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-018	WT2213112-019	WT2213112-020
Petroleum Hydrocarbons				RDL			
F1 (C6-C10)	mg/L	<0.025	0.81	0.025	<0.025	<0.025	<0.025
F1-BTEX	mg/L	<0.025	-	0.025	<0.025	<0.025	<0.025
F2 (C10-C16)	mg/L	<0.1	1.3	0.1	<0.1	<0.1	<0.1
F3 (C16-C34)	mg/L	<0.25	ng	0.25	<0.25	<0.25	<0.25
F4 (C34-C50)	mg/L	<0.25	ng	0.25	<0.25	<0.25	<0.25
Hydrocarbons, total (C6-C50)	mg/L	<0.37	ng	0.37	<0.37	<0.37	<0.37
Polycyclic Aromatic Hydrocarbons							
1+2-Methylnaphthalene	mg/L	0.000058	0.18	0.000015	0.000026	0.000045	0.000058
1-Methylnaphthalene	mg/L	0.000023	ng	0.00001	0.00001	0.000019	0.000023
2-Methylnaphthalene	mg/L	0.000035	ng	0.00001	0.000016	0.000026	0.000035
Acenaphthene	mg/L	<0.00001	0.0058	0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	mg/L	<0.00001	0.046	0.00001	<0.00001	<0.00001	<0.00001
Acridine	mg/L	<0.00001	0.00005	0.00001	<0.00001	<0.00001	<0.00001
Anthracene	mg/L	<0.00001	0.000012	0.00001	<0.00001	<0.00001	<0.00001
B[a]P TPE Total Potency Equivalents	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001
Benz[a]anthracene	mg/L	<0.00001	0.000018	0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	mg/L	<0.000005	0.000015	0.000005	<0.000005	<0.000005	<0.000005
Benzo[b,j,k]fluoranthene	mg/L	<0.000015	0.00048	0.000015	<0.000015	<0.000015	<0.000015
Benzo[b,j]fluoranthene	mg/L	<0.00001	0.00048	0.00001	<0.00001	<0.00001	<0.00001
Benzo[e]pyrene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001
Benzo[g,h,i]perylene	mg/L	<0.00001	0.00017	0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	mg/L	<0.00001	0.00048	0.00001	<0.00001	<0.00001	<0.00001
Chrysene	mg/L	<0.00001	0.0001	0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	mg/L	<0.000005	0.00026	0.000005	<0.000005	<0.000005	<0.000005
Fluoranthene	mg/L	<0.00001	0.00004	0.00001	<0.00001	<0.00001	<0.00001
Fluorene	mg/L	<0.00001	0.003	0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-c,d]pyrene	mg/L	<0.00001	0.00021	0.00001	<0.00001	<0.00001	<0.00001
Naphthalene	mg/L	0.00003	0.0011	0.00001	0.00003	0.000016	0.000029
Perylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	mg/L	<0.00001	0.0004	0.00001	<0.00001	<0.00001	<0.00001
Pyrene	mg/L	<0.00001	0.000025	0.00001	<0.00001	<0.00001	<0.00001
Quinoline	mg/L	<0.000037	0.0034	0.000018/0.000019/0.000037	<0.000037	<0.000018	<0.000019

Notes:

FIGQG - Federal Interim Groundwater Quality Guidelines, Table 1, Tier 1 guidelines (lowest guideline of all pathways), coarse-grained

RDL - reported detection limit, may vary between sample locations and events

mg/L - milligrams per litre

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site

Table 7: Groundwater Analytical Results General Chemistry and Dissolved Metals

Pelly Lake Former Air Strip and Fuel Cache Site Table 9: Groundwater Analytical Results Volatile Organic Compounds, Tetraethyl Lead and Glycols					APEC 3		
				Sample Name	GW5	GW6	GW6-DUP
				Sample Date	2022-Aug-27	2022-Aug-27	2022-Aug-27
Parameter	Units	Max Concentration	FIGQG (Tier 1, coarse)	Lab Job Number	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-018	WT2213112-019	WT2213112-020
				RDL			
1,1,1,2-Tetrachloroethane	mg/L	<0.0005	0.0033	0.0005	<0.0005	<0.0005	<0.0005
1,1,1-Trichloroethane	mg/L	<0.0005	0.64	0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/L	<0.0005	0.0032	0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/L	<0.0005	0.0047	0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/L	<0.0005	0.32	0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethene	mg/L	<0.0005	0.039	0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/L	<0.0002	ng	0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/L	<0.0005	0.0007	0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/L	<0.0005	0.005	0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/L	<0.0005	0.016	0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/L	<0.0005	0.042	0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichloropropene (cis+trans)	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/L	<0.0005	0.026	0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/L	<0.02	13	0.02	<0.02	<0.02	<0.02
BTEX, total	mg/L	<0.001	ng	0.001	<0.001	<0.001	<0.001
Benzene	mg/L	<0.0005	0.088	0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/L	<0.0005	8.5	0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/L	<0.0005	0.38	0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/L	<0.0005	0.0056	0.0005	<0.0005	<0.0005	<0.0005
Carbon disulfide	mg/L	<0.001	ng	0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	mg/L	<0.0002	0.00056	0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	mg/L	<0.0005	0.0013	0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005
Chloroform	mg/L	<0.0005	0.0018	0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/L	<0.002	ng	0.002	<0.002	<0.002	<0.002
Dibromochloromethane	mg/L	<0.0005	0.1	0.0005	<0.0005	<0.0005	<0.0005
Dichlorodifluoromethane	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005
Dichloroethylene, cis+trans-1,2-	mg/L	<0.00071	ng	0.00071	<0.00071	<0.00071	<0.00071
Dichloromethane	mg/L	<0.001	ng	0.001	<0.001	<0.001	<0.001
Dichloropropylene, cis-1,3-	mg/L	<0.0003	ng	0.0003	<0.0003	<0.0003	<0.0003
Dichloropropylene, trans-1,3-	mg/L	<0.0003	ng	0.0003	<0.0003	<0.0003	<0.0003
Dioxane, 1,4-	mg/L	<0.02	ng	0.02	<0.02	<0.02	<0.02
Ethylbenzene	mg/L	<0.0005	3.2	0.0005	<0.0005	<0.0005	<0.0005
Hexanone, 2-	mg/L	<0.02	ng	0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	mg/L	<0.02	150	0.02	<0.02	<0.02	<0.02
Methyl Isobutyl Ketone	mg/L	<0.02	58	0.02	<0.02	<0.02	<0.02
Methyl tert-butyl ether (MTBE)	mg/L	<0.0005	0.34	0.0005	<0.0005	<0.0005	<0.0005
Styrene	mg/L	<0.0005	0.072	0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/L	<0.0005	0.11	0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/L	<0.0005	0.083	0.0005	<0.0005	<0.0005	<0.0005
Trichloroethylene	mg/L	<0.0005	0.02	0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005
Trihalomethanes [THMs], total	mg/L	<0.001	ng	0.001	<0.001	<0.001	<0.001
Vinyl Chloride	mg/L	<0.0005	0.0011	0.0005	<0.0005	<0.0005	<0.0005
Xylene (m & p)	mg/L	<0.0004	ng	0.0004	<0.0004	<0.0004	<0.0004
Xylene (o)	mg/L	<0.0003	ng	0.0003	<0.0003	<0.0003	<0.0003
Xylenes (total)	mg/L	<0.0005	3.9	0.0005	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/L	<0.0005	0.0016	0.0005	<0.0005	<0.0005	<0.0005
n-Hexane	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/L	<0.0005	0.0016	0.0005	<0.0005	<0.0005	<0.0005
Organometallics							
Tetraethyl lead	mg/L	0.0000006	ng[(1)]	0.0000002	0.0000002	<0.0000002	0.0000006
Glycols							
Diethylene glycol	mg/L	<5	ng	5	<5	<5	<5
Ethylene glycol	mg/L	<5	190	5	<5	<5	<5
Propanediol, 1,3-	mg/L	<5	ng	5	<5	<5	<5
Propylene glycol	mg/L	<5	500	5	<5	<5	<5
Tetraethylene glycol	mg/L	<5	ng	5	<5	<5	<5
Triethylene glycol	mg/L	<5	ng	5	<5	<5	<5

Notes:

FIGQG - Federal Interim Groundwater Quality Guidelines, Table 1, Tier 1 guidelines (lowest guideline of all pathways), coarse-grained

RDL - reported detection limit, may vary between sample locations and events

mg/L - milligrams per litre

(1) for context, British Columbia Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards for drinking water reports a guideline of 0.000001 mg/L

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds a guideline

Pelly Lake Former Airstrip and Fuel Cache Site
Table 7: Groundwater Analytical Results General Chemistry and Dissolved Metals

Pelly Lake Former Air Strip and Fuel Cache Site Table 10: Groundwater Analytical Results Quality Assurance/Quality Control		Site Name	APEC3		RPD
		Sample Name	GW6	GW6-DUP	
		Sample Date	2022-Aug-27	2022-Aug-27	
Parameter	Units	Lab Job Number	WT2213112	WT2213112	
		Lab Sample ID	WT2213112-019	WT2213112-020	
Dissolved Metals		RDL			
Aluminum, dissolved	mg/L	0.001	0.277	0.352	24%
Antimony, dissolved	mg/L	0.0001	0.00012	0.00011	NC
Arsenic, dissolved	mg/L	0.0001	0.00043	0.00049	NC
Barium, dissolved	mg/L	0.0001	0.0375	0.0399	6%
Beryllium, dissolved	mg/L	0.00002	0.000045	0.000066	NC
Bismuth, dissolved	mg/L	0.00005	<0.00005	<0.00005	NC
Boron, dissolved	mg/L	0.01	0.186	0.185	1%
Cadmium, dissolved	mg/L	0.000005	0.0000418	0.0000471	12%
Calcium, dissolved	mg/L	0.05	7.63	7.77	2%
Cesium, dissolved	mg/L	0.00001	0.000027	0.000035	NC
Chromium, dissolved	mg/L	0.0005	0.00069	0.00086	NC
Cobalt, dissolved	mg/L	0.0001	0.00596	0.00614	3%
Copper, dissolved	mg/L	0.0002	0.00451	0.00477	6%
Iron, dissolved	mg/L	0.01	0.535	0.724	30%
Lead, dissolved	mg/L	0.00005	0.0176	0.0187	6%
Lithium, dissolved	mg/L	0.001	0.0017	0.0018	NC
Magnesium, dissolved	mg/L	0.005	2.83	2.87	1%
Manganese, dissolved	mg/L	0.0001	0.419	0.434	4%
Mercury, dissolved	mg/L	0.000005	0.0000097	0.0000128	NC
Molybdenum, dissolved	mg/L	0.00005	0.000161	0.00013	NC
Nickel, dissolved	mg/L	0.0005	0.0068	0.00699	3%
Phosphorus, dissolved	mg/L	0.05	<0.05	<0.05	NC
Potassium, dissolved	mg/L	0.05	1.2	1.18	2%
Rubidium, dissolved	mg/L	0.0002	0.00254	0.00238	7%
Selenium, dissolved	mg/L	0.00005	0.000062	0.000061	NC
Silicon, dissolved	mg/L	0.05	2.63	3.25	21%
Silver, dissolved	mg/L	0.00001	<0.00001	0.000011	NC
Sodium, dissolved	mg/L	0.05	1.49	1.5	1%
Strontium, dissolved	mg/L	0.0002	0.0246	0.0247	0%
Sulphur, dissolved	mg/L	0.5	1.02	0.95	NC
Tellurium, dissolved	mg/L	0.0002	<0.0002	<0.0002	NC
Thallium, dissolved	mg/L	0.00001	0.000016	0.000018	NC
Thorium, dissolved	mg/L	0.0001	0.00066	0.00086	26%
Tin, dissolved	mg/L	0.0001	<0.0001	<0.0001	NC
Titanium, dissolved	mg/L	0.0003	0.0108	0.0145	29%
Tungsten, dissolved	mg/L	0.0001	0.00014	0.00011	NC
Uranium, dissolved	mg/L	0.00001	0.000419	0.000459	9%
Vanadium, dissolved	mg/L	0.0005	0.00093	0.00118	NC
Zinc, dissolved	mg/L	0.01	8.79	9.51	8%
Zirconium, dissolved	mg/L	0.0003	0.00067	0.00069	NC
General Chemistry					
Alkalinity (Total as CaCO3)	mg/L	1	22.4	22.7	1%
Bromide	mg/L	0.1	<0.1	<0.1	NC
Chloride	mg/L	0.5	0.5	<0.5	NC
Fluoride	mg/L	0.02	0.102	0.094	NC
Hardness (as CaCO3), dissolved	mg/L	0.5	30.7	31.2	2%
Nitrate (as N)	mg/L	0.02	<0.02	<0.02	NC
Nitrite (as N)	mg/L	0.01	<0.01	<0.01	NC
Phosphate, ortho-, dissolved (as P)	mg/L	0.003	<0.003	<0.003	NC
Sulphate	mg/L	0.3	1.11	1.24	NC
Total Dissolved Solids	mg/L	13	42	44	NC
Total Suspended Solids	mg/L	3, 5	604	56.3	166%
pH	pH units	0.1	7.16	7.38	3%
Glycols					
Diethylene glycol	mg/L	5	<5	<5	NC
Ethylene glycol	mg/L	5	<5	<5	NC
Propanediol, 1,3-	mg/L	5	<5	<5	NC
Propylene glycol	mg/L	5	<5	<5	NC
Tetraethylene glycol	mg/L	5	<5	<5	NC
Triethylene glycol	mg/L	5	<5	<5	NC
Petroleum Hydrocarbons					
F1 (C6-C10)	mg/L	0.025	<0.025	<0.025	NC
F1-BTEX	mg/L	0.025	<0.025	<0.025	NC
F2 (C10-C16)	mg/L	0.1	<0.1	<0.1	NC
F3 (C16-C34)	mg/L	0.25	<0.25	<0.25	NC
F4 (C34-C50)	mg/L	0.25	<0.25	<0.25	NC
Hydrocarbons, total (C6-C50)	mg/L	0.37	<0.37	<0.37	NC
Polycyclic Aromatic Hydrocarbons					
1+2-Methylnaphthalene	mg/L	0.000015	0.000045	0.000058	NC
1-Methylnaphthalene	mg/L	0.00001	0.000019	0.000023	NC
2-Methylnaphthalene	mg/L	0.00001	0.000026	0.000035	NC
Acenaphthene	mg/L	0.00001	<0.00001	<0.00001	NC
Acenaphthylene	mg/L	0.00001	<0.00001	<0.00001	NC
Acridine	mg/L	0.00001	<0.00001	<0.00001	NC

Pelly Lake Former Airstrip and Fuel Cache Site
Table 7: Groundwater Analytical Results General Chemistry and Dissolved Metals

Pelly Lake Former Air Strip and Fuel Cache Site Table 10: Groundwater Analytical Results Quality Assurance/Quality Control		Site Name	APEC3		RPD
		Sample Name	GW6	GW6-DUP	
		Sample Date	2022-Aug-27	2022-Aug-27	
Parameter	Units	Lab Job Number	WT2213112	WT2213112	
		Lab Sample ID	WT2213112-019	WT2213112-020	
Anthracene	mg/L	0.00001	<0.00001	<0.00001	NC
B[a]P TPE Total Potency Equivalents	mg/L	0.00001	<0.00001	<0.00001	NC
Benz[a]anthracene	mg/L	0.00001	<0.00001	<0.00001	NC
Benzo[a]pyrene	mg/L	0.000005	<0.000005	<0.000005	NC
Benzo[b,j,k]fluoranthene	mg/L	0.000015	<0.000015	<0.000015	NC
Benzo[b,j]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	NC
Benzo[e]pyrene	mg/L	0.00001	<0.00001	<0.00001	NC
Benzo[g,h,i]perylene	mg/L	0.00001	<0.00001	<0.00001	NC
Benzo[k]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	NC
Chrysene	mg/L	0.00001	<0.00001	<0.00001	NC
Dibenz[a,h]anthracene	mg/L	0.000005	<0.000005	<0.000005	NC
Fluoranthene	mg/L	0.00001	<0.00001	<0.00001	NC
Fluorene	mg/L	0.00001	<0.00001	<0.00001	NC
Indeno[1,2,3-c,d]pyrene	mg/L	0.00001	<0.00001	<0.00001	NC
Naphthalene	mg/L	0.00001	0.000016	0.000029	NC
Perylene	mg/L	0.00001	<0.00001	<0.00001	NC
Phenanthrene	mg/L	0.00001	<0.00001	<0.00001	NC
Pyrene	mg/L	0.00001	<0.00001	<0.00001	NC
Quinoline	mg/L	0.000018, 0.000019	<0.000018	<0.000019	NC
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
1,1,1-Trichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
1,1,2,2-Tetrachloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
1,1,2-Trichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
1,1-Dichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
1,1-Dichloroethene	mg/L	0.0005	<0.0005	<0.0005	NC
1,2-Dibromoethane	mg/L	0.0002	<0.0002	<0.0002	NC
1,2-Dichlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC
1,2-Dichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
1,2-Dichloropropane	mg/L	0.0005	<0.0005	<0.0005	NC
1,3-Dichlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC
1,3-Dichloropropene (cis+trans)	mg/L	0.0005	<0.0005	<0.0005	NC
1,4-Dichlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC
Acetone	mg/L	0.02	<0.02	<0.02	NC
BTEX, total	mg/L	0.001	<0.001	<0.001	NC
Benzene	mg/L	0.0005	<0.0005	<0.0005	NC
Bromodichloromethane	mg/L	0.0005	<0.0005	<0.0005	NC
Bromoform	mg/L	0.0005	<0.0005	<0.0005	NC
Bromomethane	mg/L	0.0005	<0.0005	<0.0005	NC
Carbon disulfide	mg/L	0.001	<0.001	<0.001	NC
Carbon tetrachloride	mg/L	0.0002	<0.0002	<0.0002	NC
Chlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC
Chloroethane	mg/L	0.0005	<0.0005	<0.0005	NC
Chloroform	mg/L	0.0005	<0.0005	<0.0005	NC
Chloromethane	mg/L	0.002	<0.002	<0.002	NC
Dibromochloromethane	mg/L	0.0005	<0.0005	<0.0005	NC
Dichlorodifluoromethane	mg/L	0.0005	<0.0005	<0.0005	NC
Dichloroethylene, cis+trans-1,2-	mg/L	0.00071	<0.00071	<0.00071	NC
Dichloromethane	mg/L	0.001	<0.001	<0.001	NC
Dichloropropylene, cis-1,3-	mg/L	0.0003	<0.0003	<0.0003	NC
Dichloropropylene, trans-1,3-	mg/L	0.0003	<0.0003	<0.0003	NC
Dioxane, 1,4-	mg/L	0.02	<0.02	<0.02	NC
Ethylbenzene	mg/L	0.0005	<0.0005	<0.0005	NC
Hexanone, 2-	mg/L	0.02	<0.02	<0.02	NC
Methyl Ethyl Ketone	mg/L	0.02	<0.02	<0.02	NC
Methyl Isobutyl Ketone	mg/L	0.02	<0.02	<0.02	NC
Methyl tert-butyl ether (MTBE)	mg/L	0.0005	<0.0005	<0.0005	NC
Styrene	mg/L	0.0005	<0.0005	<0.0005	NC
Tetrachloroethylene	mg/L	0.0005	<0.0005	<0.0005	NC
Tetraethyl lead	mg/L	0.0000002	0.0000006	-	-
Tetraethyl tin	%	20	110	-	-
Toluene	mg/L	0.0005	<0.0005	<0.0005	NC
Trichloroethylene	mg/L	0.0005	<0.0005	<0.0005	NC
Trichlorofluoromethane	mg/L	0.0005	<0.0005	<0.0005	NC
Trihalomethanes [THMs], total	mg/L	0.001	<0.001	<0.001	NC
Vinyl Chloride	mg/L	0.0005	<0.0005	<0.0005	NC
Xylene (m & p)	mg/L	0.0004	<0.0004	<0.0004	NC
Xylene (o)	mg/L	0.0003	<0.0003	<0.0003	NC
Xylenes (total)	mg/L	0.0005	<0.0005	<0.0005	NC
cis-1,2-Dichloroethene	mg/L	0.0005	<0.0005	<0.0005	NC
n-Hexane	mg/L	0.0005	<0.0005	<0.0005	NC
trans-1,2-Dichloroethene	mg/L	0.0005	<0.0005	<0.0005	NC

Notes:
RDL - reported detection limit, may vary between sample locations and events
RPD - Relative Percent Difference
mg/L - milligrams per litre
NC - No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange RPD exceeds 40% (Piezometer data quality objective*)
*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Pelly Lake Former Air Strip and Fuel Cache Site

Pelly Lake Former Air Strip and Fuel Cache Site Table 11: Sediment Analytical Results General Chemistry				Site Name	AEC1										
				Sample Name	PS30	PS30-DUP	PS30-STEP1	PS30-STEP2	PS30-STEP3	PW3-SED	PW5-SED	SED1	SED2	SED3	SED4
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centration	CCME SEDQG	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-017	WT2212995-018	WT2212995-019	WT2212995-020	WT2212995-021	WT2212995-003	WT2212995-004	WT2212995-006	WT2212995-007	WT2212995-008	WT2212995-010
				RDL											
Carbon, fraction organic [FOC]	g/g	0.0639	ng	0.001	0.0191	-	-	-	-	0.0017	<0.001	<0.001	0.0032	0.002	<0.001
Fines (<0.075mm)	%	2.5	ng	1	-	-	-	-	-	-	-	-	-	-	-
Grain Size		-	ng	-	-	-	-	-	-	-	-	-	-	-	-
Moisture	%	87.1	ng	0.25	33.4	18.2	22.8	18.2	29.7	20.9	19.9	20.2	16.2	15.4	18.5
Sieve - #200 (>0.075mm)	%	99.9	ng	1	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	%	6.39	ng	0.1	1.91	-	-	-	-	0.17	<0.1	<0.1	0.32	0.2	<0.1
pH	pH units	6.17	ng	0.1	4.84	-	-	-	-	5.27	5.73	5.52	4.39	4.81	5.87

Notes:
Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
RDL - Reported Detection Limit - May vary between sample locations and events
ng - no guideline

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds CCME SEDQG

				Site Name	AEC1		APEC4						Background		
				Interval	SED5	SED6	DW1-SED	DW1-SED	DW2-SED	DW3-SED	PW1-SED	PW2-SED	SED-BG1	SED-BG2	SED-BG3
				Sample Name	SED5	SED6	DW1	DW1-DUP	DW2	DW3	PW1-SED	PW2-SED	SED-BG1	SED-BG-2	SED-BG3
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centration	CCME SEDQG	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-011	WT2212995-012	WT2212995-013	WT2212995-014	WT2212995-015	WT2212995-016	WT2212995-001	WT2212995-002	WT2212995-024	WT2212995-025	WT2212995-009
				RDL											
Carbon, fraction organic [FOC]	g/g	0.0639	ng	0.001	0.012	0.0639	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0052	<0.001	0.0046
Fines (<0.075mm)	%	2.5	ng	1	-	-	-	-	-	-	<1	<1	1	<1	2.5
Grain Size		-	ng	-	-	-	-	-	-	-	Coarse	Coarse	Coarse	Coarse	Coarse
Moisture	%	87.1	ng	0.25	21.7	87.1	19.1	19.7	16.6	18.3	17.2	17.8	18.6	15.2	21.6
Sieve - #200 (>0.075mm)	%	99.9	ng	1	-	-	-	-	-	-	99.6	99.9	99	99.5	97.5
Total Organic Carbon	%	6.39	ng	0.1	1.2	6.39	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.52	<0.1	0.46
pH	pH units	6.17	ng	0.1	5.96	4.67	4.81	4.72	5.25	5.28	5.32	5.87	4.66	6.17	5.43

Pelly Lake Analytical Chemistry Results

Table 12: Sediment Analytical Results Petroleum Hydrocarbons F1-F4

Pelly Lake Former Airstrip and Fuel Cache Site Table 12: Sediment Analytical Results Petroleum Hydrocarbons F1-F4				Site Name	AEC1								
				Sample Name	PS30	PW3-SED	PW5-SED	SED1	SED2	SED3	SED4	SED5	SED6
				Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centration	CCME SEDQG	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-017	WT2212995-003	WT2212995-004	WT2212995-006	WT2212995-007	WT2212995-008	WT2212995-010	WT2212995-011	WT2212995-012
				RDL									
F1 (C6-C10)	mg/kg	<5	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	<5	ng	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	<27	ng	10, 27	<10	<10	<10	<10	<10	<10	<10	<10	<27
F3 (C16-C34)	mg/kg	582	ng	50, 82	50	<50	<50	<50	<50	<50	<50	<50	582
F4 (C34-C50)	mg/kg	337	ng	50, 82	<50	<50	<50	<50	<50	<50	<50	<50	337
F4G-SG (GHH-Silica)	mg/kg	4240	ng	610	-	-	-	-	-	-	-	-	4240
Hydrocarbons, total (C6-C50)	mg/kg	919	ng	80, 119	<80	<80	<80	<80	<80	<80	<80	<80	919

Notes:
Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL),
long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
RDL - Reported Detection Limit - May vary between sample locations and events
ng - no guideline

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds CCME SEDQG

Pelly Lake Former Airstrip and Fuel Cache Site Table 12: Sediment Analytical Results Petroleum Hydrocarbons F1-F4				Site Name	APEC4					
				Interval	DW1-SED	DW1-SED	DW2-SED	DW3-SED	PW1-SED	PW2-SED
				Sample Name	DW1	DW1-DUP	DW2	DW3	PW1-SED	PW2-SED
				Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centration	CCME SEDQG	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-013	WT2212995-014	WT2212995-015	WT2212995-016	WT2212995-001	WT2212995-002
				RDL						
F1 (C6-C10)	mg/kg	<5	ng	5	<5	<5	<5	<5	<5	<5
F1-BTEX	mg/kg	<5	ng	5	<5	<5	<5	<5	<5	<5
F2 (C10-C16)	mg/kg	<27	ng	10, 27	<10	<10	<10	<10	<10	<10
F3 (C16-C34)	mg/kg	582	ng	50, 82	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	mg/kg	337	ng	50, 82	<50	<50	<50	<50	<50	<50
F4G-SG (GHH-Silica)	mg/kg	4240	ng	610	-	-	-	-	-	-
Hydrocarbons, total (C6-C50)	mg/kg	919	ng	80, 119	<80	<80	<80	<80	<80	<80

Pelly Lake Analytical Chemistry Results:

Table 13: Sediment Analytical Results Polycyclic Aromatic Hydrocarbon

Pelly Lake Former Airstrip and Fuel Cache Site Table 13: Sediment Analytical Results Polycyclic Aromatic Hydrocarbons					Site Name	AEC1								
					Sample Name	PS30	PW3-SED	PW5-SED	SED1	SED2	SED3	SED4	SED5	SED6
					Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centration	FL-ISQG	FL-PEL	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
					Lab Sample ID	WT2212995-017	WT2212995-003	WT2212995-004	WT2212995-006	WT2212995-007	WT2212995-008	WT2212995-010	WT2212995-011	WT2212995-012
					RDL									
1+2-Methylnaphthalene	mg/kg	<0.0141	ng	ng	0.0075, 0.0141	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0141
1-Methylnaphthalene	mg/kg	<0.01	ng	ng	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
2-Methylnaphthalene	mg/kg	<0.01	0.0202	0.201	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Acenaphthene	mg/kg	<0.01	0.00671	0.0889	0.005, 0.006, 0.01	<0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Acenaphthylene	mg/kg	<0.01	0.00587	0.128	0.005, 0.01	0.0057	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Acridine	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.01	0.0469	0.245	0.004, 0.01	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.01
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	ng	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.025	0.0317	0.385	0.01, 0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.025
Benzo[a]pyrene	mg/kg	<0.01	0.0319	0.782	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Benzo[b,j]fluoranthene	mg/kg	0.011	ng	ng	0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	0.0112	ng	ng	0.005, 0.01	0.0112	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Benzo[k]fluoranthene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	<0.01	0.0571	0.862	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.01	0.00622	0.135	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Fluoranthene	mg/kg	<0.01	0.111	2.355	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Fluorene	mg/kg	<0.01	0.0212	0.144	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ndex of Additive Cancer Risk (IACR) (CCME	unitless	<0.15	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.01	0.0346	0.391	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	<0.01	0.0419	0.515	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Pyrene	mg/kg	<0.01	0.053	0.875	0.005, 0.01	0.0063	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Quinoline	mg/kg	<0.01	ng	ng	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01

Notes:
Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
RDL - Reported Detection Limit - May vary between sample locations and events
ng - no guideline
ISQG - Interim Sediment Quality Guideline
PEL - Probable Effect Levels

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds FL-ISQG
Bold	Concentration exceeds FL-PEL

Pelly Lake Analytical Chemistry Results:

Table 13: Sediment Analytical Results Polycyclic Aromatic Hydrocarbon

Pelly Lake Former Airstrip and Fuel Cache Site Table 13: Sediment Analytical Results Polycyclic Aromatic Hydrocarbons					Site Name	APEC4					
					Sample Name	DW1	DW1-DUP	DW2	DW3	PW1-SED	PW2-SED
					Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centration	FL-ISQG	FL-PEL	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
					Lab Sample ID	WT2212995-013	WT2212995-014	WT2212995-015	WT2212995-016	WT2212995-001	WT2212995-002
					RDL						
1+2-Methylnaphthalene	mg/kg	<0.0141	ng	ng	0.0075, 0.0141	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
1-Methylnaphthalene	mg/kg	<0.01	ng	ng	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	mg/kg	<0.01	0.0202	0.201	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	mg/kg	<0.01	0.00671	0.0889	0.005, 0.006, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	<0.01	0.00587	0.128	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acridine	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	<0.01	0.0469	0.245	0.004, 0.01	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
B[a]P TPE Total Potency Equivalents	mg/kg	<0.02	ng	ng	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz[a]anthracene	mg/kg	<0.025	0.0317	0.385	0.01, 0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	mg/kg	<0.01	0.0319	0.782	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b,j]fluoranthene	mg/kg	0.011	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[e]pyrene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	mg/kg	0.0112	ng	ng	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	mg/kg	<0.01	0.0571	0.862	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz[a,h]anthracene	mg/kg	<0.01	0.00622	0.135	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	mg/kg	<0.01	0.111	2.355	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	mg/kg	<0.01	0.0212	0.144	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Indeno[1,2,3-c,d]pyrene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ndex of Additive Cancer Risk (IACR) (CCME	unitless	<0.15	ng	ng	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	mg/kg	<0.01	0.0346	0.391	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Perylene	mg/kg	<0.01	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	<0.01	0.0419	0.515	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	mg/kg	<0.01	0.053	0.875	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Quinoline	mg/kg	<0.01	ng	ng	0.005, 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL),
long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
RDL - Reported Detection Limit - May vary between sample locations and events
ng - no guideline
ISQG - Interim Sediment Quality Guideline
PEL - Probable Effect Levels

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds FL-ISQG
Bold	Concentration exceeds FL-PEL

Pelly Lake Former Airstrip and Fuel Cache Site

Table 14: Sediment Analytical Results Total Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 14: Sediment Analytical Results Total Metals				Site Name	AEC1										
				Sample Name	PS30	PS30-DUP	PS30-STEP1	PS30-STEP2	PS30-STEP3	PW3-SED	PW5-SED	SED1	SED2	SED3	SED4
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22
Parameter	Units	FWAL ISQG	FWAL PEL	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-017	WT2212995-018	WT2212995-019	WT2212995-020	WT2212995-021	WT2212995-003	WT2212995-004	WT2212995-006	WT2212995-007	WT2212995-008	WT2212995-010
				RDL											
Aluminum	mg/kg	ng	ng	50, 1000	1590	1860	1210	1490	1310	670	689	609	1140	1280	928
Antimony	mg/kg	ng	ng	0.1, 2	88.4	102	14.4	254	22.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	5.9	17	0.1, 2	4.08	3.06	<2	5.16	2.96	0.33	0.3	0.32	0.97	0.54	0.43
Barium	mg/kg	ng	ng	0.5, 10	3.93	5.9	<10	11.4	<10	3.24	3.11	2.73	5.2	5.05	3.7
Beryllium	mg/kg	ng	ng	0.1, 2	0.12	0.11	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bismuth	mg/kg	ng	ng	0.2, 4	0.2	0.31	<4	<4	<4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	ng	ng	5, 100	<5	<5	<100	<100	<100	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	ng	ng	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium	mg/kg	0.6	3.5	0.02, 0.4	0.067	0.181	<0.4	<0.4	<0.4	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	ng	ng	50, 1000	224	384	<1000	<1000	<1000	105	124	108	258	223	271
Chromium	mg/kg	37.3	90	0.5, 10	2.03	2.85	<10	<10	<10	0.6	0.62	0.57	1.26	2.25	1.2
Chromium (hexavalent)	mg/kg	ng	ng	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cobalt	mg/kg	ng	ng	0.1, 2	0.49	0.71	<2	<2	<2	0.23	0.24	0.22	0.52	0.58	0.38
Copper	mg/kg	35.7	197	0.5, 10	36.2	23.5	20.7	15.1	<10	<0.5	<0.5	<0.5	<0.5	4.96	0.62
Iron	mg/kg	ng	ng	50, 1000	12600	10600	5100	8100	4820	1510	1190	990	3720	2730	2270
Lead	mg/kg	35	91.3	0.5, 10	**5180**	**3590**	**1740**	**7540**	**2720**	0.97	0.95	0.84	1.26	3.53	3.62
Lithium	mg/kg	ng	ng	2, 40	<2	<2	<40	<40	<40	<2	<2	<2	<2	<2	<2
Magnesium	mg/kg	ng	ng	20, 400	450	635	422	557	480	263	269	256	495	531	418
Manganese	mg/kg	ng	ng	1, 20	18.8	27.7	<20	24.3	<20	8.7	9.8	9.1	19.2	18.9	16.7
Mercury	mg/kg	0.17	0.486	0.005	0.0109	0.0102	0.0094	0.0104	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Molybdenum	mg/kg	ng	ng	0.1, 2	0.14	0.17	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	0.23	<0.1
Nickel	mg/kg	ng	ng	0.5, 10	0.94	1.35	<10	<10	<10	<0.5	<0.5	<0.5	0.65	0.96	0.56
Phosphorus	mg/kg	ng	ng	50, 1000	87	149	<1000	<1000	<1000	<50	<50	<50	59	69	57
Potassium	mg/kg	ng	ng	100, 2000	140	190	<2000	<2000	<2000	110	110	<100	140	150	130
Selenium	mg/kg	ng	ng	0.2, 4	<0.2	<0.2	<4	<4	<4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	ng	ng	0.1, 2	<0.1	<0.1	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	ng	ng	50, 1000	<50	<50	<1000	<1000	<1000	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	ng	ng	0.5, 10	5.57	6.04	<10	<10	<10	5.32	6.1	5.66	9.63	5.93	6.7
Sulphur	mg/kg	ng	ng	1000, 20000	<1000	<1000	<20000	<20000	<20000	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	ng	ng	0.05, 1	<0.05	<0.05	<1	<1	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	ng	ng	2, 40	<2	4.2	<40	<40	<40	<2	<2	<2	<2	2.4	<2
Titanium	mg/kg	ng	ng	1, 20	102	113	63.4	96.8	79.6	32.9	32.4	29.2	78.4	81.8	81.7
Tungsten	mg/kg	ng	ng	0.5, 10	<0.5	<0.5	<10	<10	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	ng	ng	0.05, 1	0.304	0.368	<1	<1	<1	0.082	0.149	0.092	0.199	0.144	0.163
Vanadium	mg/kg	ng	ng	0.2, 4	5.72	6.53	<4	5.35	6.15	1.71	1.66	1.48	4.7	4.65	4.27
Zinc	mg/kg	123	315	2, 40	5.9	11	<40	<40	<40	<2	<2	<2	3.3	4.7	2.8
Zirconium	mg/kg	ng	ng	1, 20	<1	<1	<20	<20	<20	<1	<1	<1	<1	<1	<1

Notes:

Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - Reported Detection Limit - May vary between sample locations and events

ng - no guideline

ISQG - Interim Sediment Quality Guideline

PEL - Probable Effect Levels

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds FL-ISQG
Bold	Concentration exceeds FL-PEL

Pelly Lake Former Airstrip and Fuel Cache Site

Table 14: Sediment Analytical Results Total Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 14: Sediment Analytical Results Total Metals				Site Name			APEC4						Background		
				Sample Name	SED5	SED6	DW1	DW1-DUP	DW2	DW3	PW1-SED	PW2-SED	SED-BG1	SED-BG-2	SED-BG3
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	FWAL ISQG	FWAL PEL	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-011	WT2212995-012	WT2212995-013	WT2212995-014	WT2212995-015	WT2212995-016	WT2212995-001	WT2212995-002	WT2212995-024	WT2212995-025	WT2212995-009
				RDL											
Aluminum	mg/kg	ng	ng	50, 1000	1030	9080	779	901	739	889	684	749	730	679	974
Antimony	mg/kg	ng	ng	0.1, 2	1.68	0.31	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic	mg/kg	5.9	17	0.1, 2	0.69	4.89	0.34	0.34	0.28	0.41	0.35	0.28	0.25	0.34	0.36
Barium	mg/kg	ng	ng	0.5, 10	3.77	51.1	3.53	3.66	2.77	3.41	2.96	3.72	3.05	3.8	5.32
Beryllium	mg/kg	ng	ng	0.1, 2	<0.1	0.76	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bismuth	mg/kg	ng	ng	0.2, 4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron	mg/kg	ng	ng	5, 100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Boron, hot water soluble	mg/kg	ng	ng	0.1, 0.2	<0.1	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19
Cadmium	mg/kg	0.6	3.5	0.02, 0.4	<0.02	0.195	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/kg	ng	ng	50, 1000	153	930	162	206	174	195	172	199	170	250	244
Chromium	mg/kg	37.3	90	0.5, 10	1.08	6.03	0.8	1.02	0.84	0.96	0.7	0.87	0.89	0.99	1.22
Chromium (hexavalent)	mg/kg	ng	ng	0.1, 0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cobalt	mg/kg	ng	ng	0.1, 2	0.37	4.08	0.29	0.37	0.29	0.36	0.27	0.33	0.33	0.38	0.54
Copper	mg/kg	35.7	197	0.5, 10	0.79	7.44	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron	mg/kg	ng	ng	50, 1000	4440	120000	1560	1890	1280	1650	1320	1330	1550	2380	2130
Lead	mg/kg	35	91.3	0.5, 10	60.2	14.8	0.8	0.89	0.71	0.9	0.81	0.73	0.72	0.82	0.92
Lithium	mg/kg	ng	ng	2, 40	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Magnesium	mg/kg	ng	ng	20, 400	357	572	353	417	336	416	301	369	338	327	490
Manganese	mg/kg	ng	ng	1, 20	14.3	126	11.5	13.9	11.2	14.2	11	23.4	12.2	18.7	19.2
Mercury	mg/kg	0.17	0.486	0.005	<0.005	0.0701	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Molybdenum	mg/kg	ng	ng	0.1, 2	0.24	0.56	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	ng	ng	0.5, 10	0.61	4.38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	0.71
Phosphorus	mg/kg	ng	ng	50, 1000	<50	267	<50	<50	<50	<50	<50	<50	<50	54	62
Potassium	mg/kg	ng	ng	100, 2000	120	470	120	140	110	140	100	100	<100	100	170
Selenium	mg/kg	ng	ng	0.2, 4	<0.2	0.64	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	ng	ng	0.1, 2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/kg	ng	ng	50, 1000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Strontium	mg/kg	ng	ng	0.5, 10	5.79	7.37	5.84	5.36	5.61	7.26	6.03	5.75	4.53	5.52	5.18
Sulphur	mg/kg	ng	ng	1000, 20000	<1000	1100	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	mg/kg	ng	ng	0.05, 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	ng	ng	2, 40	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Titanium	mg/kg	ng	ng	1, 20	43.7	108	51.9	74.8	46.6	61.6	45.8	52.3	46.2	73	76.2
Tungsten	mg/kg	ng	ng	0.5, 10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	mg/kg	ng	ng	0.05, 1	0.161	1.38	0.108	0.133	0.109	0.128	0.105	0.104	0.097	0.243	0.147
Vanadium	mg/kg	ng	ng	0.2, 4	3.88	36.3	2.15	2.69	2	2.81	2.28	1.98	2.55	2.8	2.66
Zinc	mg/kg	123	315	2, 40	2.8	18.7	2.2	2.7	2	2.4	<2	2.1	2.3	<2	4.4
Zirconium	mg/kg	ng	ng	1, 20	<1	3.3	<1	<1	<1	<1	<1	<1	<1	<1	<1

Notes:

Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - Reported Detection Limit - May vary between sample locations and events

ng - no guideline

ISQG - Interim Sediment Quality Guideline

PEL - Probable Effect Levels

Yellow — Detection limit exceeds a standard

Filled — Concentration exceeds FL-ISQG

Bold — Concentration exceeds FL-PEL

Pelly Lake Analytical Chemistry Results:

Table 15: Sediment Analytical Results Volatile Organic Compounds and Tetraethyl Lead

Pelly Lake Former Airstrip and Fuel Cache Site Table 15: Sediment Analytical Results Volatile Organic Compounds and Tetraethyl Lead				Site Name	AEC1										APEC4							
				Sample Name	PS30	PW3-SED	PW5-SED	SED1	SED2	SED3	SED3	SED4	SED5	SED6	DW1	DW1-DUP	DW2	DW3	PW1-SED	PW1-SED	PW2-SED	PW2-SED
				Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-21	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-24	2022-Aug-25	2022-Aug-24	2022-Aug-25
Parameter	Units	Max Con-centration	FL-ISQG	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-017	WT2212995-003	WT2212995-004	WT2212995-006	WT2212995-007	WT2212995-008	WT2212995-008	WT2212995-010	WT2212995-011	WT2212995-012	WT2212995-013	WT2212995-014	WT2212995-015	WT2212995-016	WT2212995-001	WT2212995-001	WT2212995-002	WT2212995-002
				RDL																		
1,1,1,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,1,1-Trichloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,1,2,2-Tetrachloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,1,2-Trichloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,1-Dichloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,1-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,2-Dibromoethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,2-Dichlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,2-Dichloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,2-Dichloropropane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,3-Dichlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,3-Dichloropropene (cis+trans)	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
1,4-Dichlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Acetone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<0.5	-	<0.5
BTEX, total	mg/kg	<0.16	ng	0.1, 0.16	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
Benzene	mg/kg	<0.0189	370	0.005, 0.0189	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.0189	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	<0.005
Bromodichloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Bromoform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Bromomethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Carbon disulfide	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Carbon tetrachloride	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Chlorobenzene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Chloroethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Chloroform	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Chloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Dibromochloromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Dichlorodifluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Dichloromethane	mg/kg	<0.045	ng	0.045	-	-	-	-	-	-	<0.045	-	-	-	-	-	-	-	-	<0.045	-	<0.045
Dichloropropylene, cis-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	<0.03	-	-	-	-	-	-	-	-	<0.03	-	<0.03
Dichloropropylene, trans-1,3-	mg/kg	<0.03	ng	0.03	-	-	-	-	-	-	<0.03	-	-	-	-	-	-	-	-	<0.03	-	<0.03
Dioxane, 1,4-	mg/kg	<0.2	ng	0.2	-	-	-	-	-	-	<0.2	-	-	-	-	-	-	-	-	<0.2	-	<0.2
Ethylbenzene	mg/kg	<0.047	90	0.015, 0.047	<0.015	<0.015	<0.015	<0.015	<0.015	-	<0.015	<0.015	<0.015	<0.047	<0.015	<0.015	<0.015	<0.015	-	<0.015	-	<0.015
Hexanone, 2-	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<0.5	-	<0.5
Methyl Ethyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<0.5	-	<0.5
Methyl Isobutyl Ketone	mg/kg	<0.5	ng	0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<0.5	-	<0.5
Methyl tert-butyl ether (MTBE)	mg/kg	<0.04	ng	0.04	-	-	-	-	-	-	<0.04	-	-	-	-	-	-	-	-	<0.04	-	<0.04
Styrene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Tetrachloroethylene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Toluene	mg/kg	<0.13	20	0.05, 0.13	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.13	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05
Trichloroethylene	mg/kg	<0.01	ng	0.01	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	<0.01
Trichlorofluoromethane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Trihalomethanes [THMs], total	mg/kg	<0.1	ng	0.1	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	<0.1	-	<0.1
Vinyl Chloride	mg/kg	<0.02	ng	0.02	-	-	-	-	-	-	<0.02	-	-	-	-	-	-	-	-	<0.02	-	<0.02
Xylene (m & p)	mg/kg	<0.071	ng	0.03, 0.071	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.071	<0.03	<0.03	<0.03	<0.03	-	<0.03	-	<0.03
Xylene (o)	mg/kg	<0.047	ng	0.03, 0.047	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.047	<0.03	<0.03	<0.03	<0.03	-	<0.03	-	<0.03
Xylenes (total)	mg/kg	<0.085	ng	0.05, 0.085	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.085	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05
cis-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
n-Hexane	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
trans-1,2-Dichloroethene	mg/kg	<0.05	ng	0.05	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	<0.05	-	<0.05
Organometallics																						
Tetraethyl lead	mg/kg	<0.0005	ng	0.0005	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	<0.0005	-	<0.0005	-

Notes:
Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL),
long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
RDL - Reported Detection Limit - May vary between sample locations and events
ng - no guideline
ISQG - Interim Sediment Quality Guideline
PEL - Probable Effect Levels

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds FL-ISQG

Pelly Lake Analytical Chemistry Results:

Table 16: Sediment Analytical Results Glycols

Pelly Lake Former Airstrip and Fuel Cache Site Table 16: Sediment Analytical Results Glycols				Site Name	AEC1		APEC4	
				Sample Name	SED3	SED6	PW1-SED	PW2-SED
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centration	CCME SEDQG	Lab Job Number	WT2212995	WT2212995	WT2212995	WT2212995
				Lab Sample ID	WT2212995-008	WT2212995-012	WT2212995-001	WT2212995-002
				RDL				
Diethylene glycol	mg/kg	<10	ng	10	<10	-	<10	<10
Ethylene glycol	mg/kg	<10	ng	10	<10	-	<10	<10
Propanediol, 1,3-	mg/kg	<10	ng	10	<10	-	<10	<10
Propylene glycol	mg/kg	<10	ng	10	<10	-	<10	<10
Tetraethylene glycol	mg/kg	<10	ng	10	<10	-	<10	<10
Triethylene glycol	mg/kg	<10	ng	10	<10	-	<10	<10

Notes:

Canadian Sediment Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - Reported Detection Limit - May vary between sample locations and events

ng - no guideline

Yellow	Detection limit exceeds a standard
Filled	Concentration exceeds CCME SEDQG

Pelly Lake Former Airstrip and Fuel Cache Site

Table 17: Sediment Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 17: Sediment Analytical Results Quality Assurance/Quality Control		Site Name	AEC1		RPD	APEC4		RPD
		Sample Name	PS30	PS30-DUP		DW1	DW1-DUP	
		Sample Date	2022-Aug-22	2022-Aug-22		2022-Aug-25	2022-Aug-25	
Parameter	Units	Lab Job Number	WT2212995	WT2212995		WT2212995	WT2212995	
		Lab Sample ID	WT2212995-017	WT2212995-018		WT2212995-013	WT2212995-014	
General Chemistry		RDL						
Carbon, fraction organic [FOC]	g/g	0.001	0.0191	-	-	<0.001	<0.001	NC
Moisture	%	0.25	33.4	18.2	59%	19.1	19.7	3%
Total Organic Carbon	%	0.1	1.91	-	-	<0.1	<0.1	NC
pH	pH units	0.1	4.84	-	-	4.81	4.72	2%
Petroleum Hydrocarbons								
F1 (C6-C10)	mg/kg	5	<5	-	-	<5	<5	NC
F1-BTEX	mg/kg	5	<5	-	-	<5	<5	NC
F2 (C10-C16)	mg/kg	10	<10	-	-	<10	<10	NC
F3 (C16-C34)	mg/kg	50	50	-	-	<50	<50	NC
F4 (C34-C50)	mg/kg	50	<50	-	-	<50	<50	NC
Hydrocarbons, total (C6-C50)	mg/kg	80	<80	-	-	<80	<80	NC
Polycyclic Aromatic Hydrocarbons								
1+2-Methylnaphthalene	mg/kg	0.0075	<0.0075	-	-	<0.0075	<0.0075	NC
1-Methylnaphthalene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
2-Methylnaphthalene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Acenaphthene	mg/kg	0.005, 0.006	<0.006	-	-	<0.005	<0.005	NC
Acenaphthylene	mg/kg	0.005	0.0057	-	-	<0.005	<0.005	NC
Acridine	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Anthracene	mg/kg	0.004	<0.004	-	-	<0.004	<0.004	NC
B[a]P TPE Total Potency Equivalents	mg/kg	0.02	<0.02	-	-	<0.02	<0.02	NC
Benz[a]anthracene	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Benzo[a]pyrene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Benzo[b,j]fluoranthene	mg/kg	0.01	0.011	-	-	<0.01	<0.01	NC
Benzo[e]pyrene	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Benzo[g,h,i]perylene	mg/kg	0.005	0.0112	-	-	<0.005	<0.005	NC
Benzo[k]fluoranthene	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Chrysene	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Dibenz[a,h]anthracene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Fluoranthene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Fluorene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Indeno[1,2,3-c,d]pyrene	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Index of Additive Cancer Risk (IACR) (CCME)	unitless	0.15	<0.15	-	-	<0.15	<0.15	NC
Naphthalene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Perylene	mg/kg	0.01	<0.01	-	-	<0.01	<0.01	NC
Phenanthrene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Pyrene	mg/kg	0.005	0.0063	-	-	<0.005	<0.005	NC
Quinoline	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC

Pelly Lake Former Airstrip and Fuel Cache Site

Table 17: Sediment Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 17: Sediment Analytical Results Quality Assurance/Quality Control		Site Name	AEC1		RPD	APEC4		RPD
		Sample Name	PS30	PS30-DUP		DW1	DW1-DUP	
		Sample Date	2022-Aug-22	2022-Aug-22		2022-Aug-25	2022-Aug-25	
Parameter	Units	Lab Job Number	WT2212995	WT2212995		WT2212995	WT2212995	
		Lab Sample ID	WT2212995-017	WT2212995-018		WT2212995-013	WT2212995-014	
Total Metals								
Aluminum	mg/kg	50	1590	1860	16%	779	901	15%
Antimony	mg/kg	0.1	88.4	102	14%	<0.1	<0.1	NC
Arsenic	mg/kg	0.1	4.08	3.06	29%	0.34	0.34	NC
Barium	mg/kg	0.5	3.93	5.9	40%	3.53	3.66	4%
Beryllium	mg/kg	0.1	0.12	0.11	NC	<0.1	<0.1	NC
Bismuth	mg/kg	0.2	0.2	0.31	NC	<0.2	<0.2	NC
Boron	mg/kg	5	<5	<5	NC	<5	<5	NC
Boron, hot water soluble	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC
Cadmium	mg/kg	0.02	0.067	0.181	NC	<0.02	<0.02	NC
Calcium	mg/kg	50	224	384	NC	162	206	NC
Chromium	mg/kg	0.5	2.03	2.85	NC	0.8	1.02	NC
Chromium (hexavalent)	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC
Cobalt	mg/kg	0.1	0.49	0.71	NC	0.29	0.37	NC
Copper	mg/kg	0.5	36.2	23.5	43%	<0.5	<0.5	NC
Iron	mg/kg	50	12600	10600	17%	1560	1890	19%
Lead	mg/kg	0.5, 10	5180	3590	36%	0.8	0.89	NC
Lithium	mg/kg	2	<2	<2	NC	<2	<2	NC
Magnesium	mg/kg	20	450	635	34%	353	417	17%
Manganese	mg/kg	1	18.8	27.7	38%	11.5	13.9	19%
Mercury	mg/kg	0.005	0.0109	0.0102	NC	<0.005	<0.005	NC
Molybdenum	mg/kg	0.1	0.14	0.17	NC	<0.1	<0.1	NC
Nickel	mg/kg	0.5	0.94	1.35	NC	<0.5	<0.5	NC
Phosphorus	mg/kg	50	87	149	NC	<50	<50	NC
Potassium	mg/kg	100	140	190	NC	120	140	NC
Selenium	mg/kg	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC
Silver	mg/kg	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC
Sodium	mg/kg	50	<50	<50	NC	<50	<50	NC
Strontium	mg/kg	0.5	5.57	6.04	8%	5.84	5.36	9%
Sulphur	mg/kg	1000	<1000	<1000	NC	<1000	<1000	NC
Thallium	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC
Tin	mg/kg	2	<2	4.2	NC	<2	<2	NC
Titanium	mg/kg	1	102	113	10%	51.9	74.8	36%
Tungsten	mg/kg	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC
Uranium	mg/kg	0.05	0.304	0.368	19%	0.108	0.133	NC
Vanadium	mg/kg	0.2	5.72	6.53	13%	2.15	2.69	22%
Zinc	mg/kg	2	5.9	11	NC	2.2	2.7	NC
Zirconium	mg/kg	1	<1	<1	NC	<1	<1	NC
Volatile Organic Compounds								
BTEX, total	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	NC
Benzene	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	NC
Ethylbenzene	mg/kg	0.015	<0.015	-	-	<0.015	<0.015	NC
Toluene	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	NC
Xylene (m & p)	mg/kg	0.03	<0.03	-	-	<0.03	<0.03	NC
Xylene (o)	mg/kg	0.03	<0.03	-	-	<0.03	<0.03	NC
Xylenes (total)	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	NC

Notes:
mg/kg - milligrams per kilogram
RDL - Reported Detection Limit - May vary between sample locations and events
RPD - Relative Percent Difference
NC - No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange RPD exceeds 60% (Sediment data quality objective*)
*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

BluMetric Environmental

Pelly Lake Former Airstrip and Fuel Cache Site

Table 18: Surface Water Analytical Results General Chemistry

Pelly Lake Former Airstrip and Fuel Cache Site Table 18: Surface Water Analytical Results General Chemistry					Site Name	AEC1									
					Sample Name	PS30	PW3	PW5	PW5-DUP	SW1	SW2	SW3	SW3-DUP	SW4	SW5
					Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	FWAL (LT)	FWAL (ST)	AG (I)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
					Lab Sample ID	WT2213112-008	WT2213112-015	WT2213112-016	WT2213112-017	WT2213112-001	WT2213112-002	WT2213112-003	WT2213112-004	WT2213112-005	WT2213112-006
					RDL										
Alkalinity (Total as CaCO3)	mg/L	ng	ng	ng	1	4.7	8.1	9.3	8.8	9.1	4.2	7.5	7.1	7.5	1
Bromide	mg/L	ng	ng	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride	mg/L	120	640	100[1]	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5
Fluoride	mg/L	0.12	ng	1	0.02	0.025	0.05	0.043	0.044	0.057	0.029	0.046	0.046	0.046	0.042
Hardness (as CaCO3), total	mg/L	ng	ng	ng	0.5	3.62	7.93	9.17	8.95	11.7	3.17	8.13	8.06	8.52	8.17
Nitrate (as N)	mg/L	13	550	ng	0.02	0.023	<0.02	<0.02	0.022	0.146	<0.02	0.05	0.032	0.261	<0.02
Nitrite (as N)	mg/L	ng	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phosphate, ortho-, dissolved (as P)	mg/L	ng	ng	ng	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Silicon	mg/L	ng	ng	ng	0.1	1.56	0.98	1.26	1.28	1.48	4.24	0.94	0.94	0.98	1.06
Sulphate	mg/L	ng	ng	ng	0.3	0.38	0.49	0.6	0.62	1.37	<0.3	0.55	0.49	0.72	0.53
Total Dissolved Solids	mg/L	ng	ng	ng	10, 13	12	20	16	16	23	16	15	16	17	<10
Total Suspended Solids	mg/L	ng	ng	ng	3, 3.8	22.5	3.3	<3	<3	<3	89.1	17.1	3.9	21.5	175
pH	pH unit	6.5 - 9	ng	ng	0.1	6.64	6.95	7	7.14	7.07	6.6	6.94	6.94	6.91	6.29

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

(1) Guideline is dependent on species grown, lowest guideline used for comparison

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds FWAL (LT)
Bold	Concentration exceeds FWAL (ST)
Red	Concentration exceeds AG (I)

Pelly Lake Former Airstrip and Fuel Cache Site

Table 18: Surface Water Analytical Results General Chemistry

Pelly Lake Former Airstrip and Fuel Cache Site Table 18: Surface Water Analytical Results General Chemistry					Site Name		APEC4						Background		
					Sample Name	SW6	PW1	PW2	DW1	DW1-DUP	DW2	DW3	SW-BG1	SW-BG2	SW-BG3
					Sample Date	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-26	2022-Aug-27	2022-Aug-26
Parameter	Units	FWAL (LT)	FWAL (ST)	AG (I)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
					Lab Sample ID	WT2213112-007	WT2213112-013	WT2213112-014	WT2213112-009	WT2213112-010	WT2213112-011	WT2213112-012	WT2213112-021	WT2213112-022	WT2213112-023
					RDL										
Alkalinity (Total as CaCO3)	mg/L	ng	ng	ng	1	<1	5.4	4.9	5.9	2.3	5.3	5.3	2.6	24.5	2.4
Bromide	mg/L	ng	ng	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride	mg/L	120	640	100[(1)]	0.5	<0.5	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	0.57	<0.5	0.82
Fluoride	mg/L	0.12	ng	1	0.02	0.022	0.027	0.028	0.028	0.028	0.028	0.028	<0.02	0.097	0.053
Hardness (as CaCO3), total	mg/L	ng	ng	ng	0.5	4.6	5.94	5.9	5.89	5.94	5.9	6.23	3.11	38.3	4.59
Nitrate (as N)	mg/L	13	550	ng	0.02	<0.02	0.075	0.066	0.139	0.205	0.064	0.127	0.067	<0.02	<0.02
Nitrite (as N)	mg/L	ng	ng	ng	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phosphate, ortho-, dissolved (as P)	mg/L	ng	ng	ng	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Silicon	mg/L	ng	ng	ng	0.1	1.07	0.31	0.29	0.5	0.49	0.29	0.41	1.35	2.84	0.51
Sulphate	mg/L	ng	ng	ng	0.3	1.19	0.95	0.97	0.97	0.97	0.94	0.99	0.61	1.24	<0.3
Total Dissolved Solids	mg/L	ng	ng	ng	10, 13	<10	<10	10	10	<10	<10	<10	11	49	22
Total Suspended Solids	mg/L	ng	ng	ng	3, 3.8	129	8.4	4.2	4.6	3.1	<3	<3	<3	12.9	11.7
pH	pH unit	6.5 - 9	ng	ng	0.1	6.13	6.8	6.82	6.77	6.81	6.81	6.8	6.15	7.55	6.18

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

(1) Guideline is dependent on species grown, lowest guideline used for comparison

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds FWAL (LT)
Bold	Concentration exceeds FWAL (ST)
Red	Concentration exceeds AG (I)

Pelly Lake Former Airstrip and Fuel Cache Site

Table 19: Surface Water Analytical Results Petroleum Hydrocarbons F1-F4

Pelly Lake Former Airstrip and Fuel Cache Site Table 19: Surface Water Analytical Results Petroleum Hydrocarbons F1-F4				Site Name	AEC 1								
				Sample Name	PS30	PW3	PW5	PW5-DUP	SW1	SW2	SW3	SW3-DUP	SW4
				Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centration	CCME CWQG	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-008	WT2213112-015	WT2213112-016	WT2213112-017	WT2213112-001	WT2213112-002	WT2213112-003	WT2213112-004	WT2213112-005
				Detection Limit									
F1 (C6-C10)	mg/L	<0.025	ng	0.025	-	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
F1-BTEX	mg/L	<0.025	ng	0.025	-	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
F2 (C10-C16)	mg/L	<0.1	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
F3 (C16-C34)	mg/L	<0.25	ng	0.15, 0.25	<0.15	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
F4 (C34-C50)	mg/L	<0.25	ng	0.15, 0.25	<0.15	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hydrocarbons, total (C6-C50)	mg/L	<0.37	ng	0.37	-	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds CWQG

Pelly Lake Former Airstrip and Fuel Cache Site

Table 19: Surface Water Analytical Results Petroleum Hydrocarbons F1-F4

Pelly Lake Former Airstrip and Fuel Cache Site Table 19: Surface Water Analytical Results Petroleum Hydrocarbons F1-F4				Site Name			APEC 4					
				Sample Name	SW5	SW6	DW1	DW1-DUP	DW2	DW3	PW1	PW2
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centration	CCME CWQG	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-006	WT2213112-007	WT2213112-009	WT2213112-010	WT2213112-011	WT2213112-012	WT2213112-013	WT2213112-014
				Detection Limit								
F1 (C6-C10)	mg/L	<0.025	ng	0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
F1-BTEX	mg/L	<0.025	ng	0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
F2 (C10-C16)	mg/L	<0.1	ng	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
F3 (C16-C34)	mg/L	<0.25	ng	0.15, 0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
F4 (C34-C50)	mg/L	<0.25	ng	0.15, 0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hydrocarbons, total (C6-C50)	mg/L	<0.37	ng	0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds CWQG

Pelly Lake Former Airstrip and Fuel Cache Site

Table 20: Surface Water Analytical Results Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 20: Surface Water Analytical Results Polycyclic Aromatic Hydrocarbons				Site Name	AEC 1								
				Sample Name	PS30	PW1	PW2	PW3	PW5	PW5-DUP	SW1	SW2	SW3
				Sample Date	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22
Parameter	Units	Max Con-centratio	FWAL (LT)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-008	WT2213112-013	WT2213112-014	WT2213112-015	WT2213112-016	WT2213112-017	WT2213112-001	WT2213112-002	WT2213112-003
				Detection Limit									
1+2-Methylnaphthalene	mg/L	<0.000015	ng	0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
1-Methylnaphthalene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
2-Methylnaphthalene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	mg/L	<0.00001	0.0058	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acridine	mg/L	<0.00001	0.0044	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	mg/L	<0.00001	0.000012	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
B[a]P TPE Total Potency Equivalent	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benz[a]anthracene	mg/L	<0.00001	0.000018	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	mg/L	<0.000005	0.000015	0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Benzo[b,j,k]fluoranthene	mg/L	<0.000015	ng	0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Benzo[b,j]fluoranthene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[e]pyrene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[g,h,i]perylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	mg/L	<0.000005	ng	0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Fluoranthene	mg/L	<0.00001	0.00004	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	mg/L	<0.00001	0.003	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-c,d]pyrene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Naphthalene	mg/L	<0.00001	0.0011	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Perylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	mg/L	<0.00001	0.0004	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	mg/L	<0.00001	0.000025	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Quinoline	mg/L	<0.000127	0.0034	0.00001, 0.000014, 0.000023, 0.000127	<0.00001	<0.00001	<0.000014	<0.00001	<0.00001	<0.00001	<0.00001	<0.000127	<0.00001

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds FWAL - LT

Pelly Lake Former Airstrip and Fuel Cache Site

Table 20: Surface Water Analytical Results Polycyclic Aromatic Hydrocarbons

Pelly Lake Former Airstrip and Fuel Cache Site Table 20: Surface Water Analytical Results Polycyclic Aromatic Hydrocarbons				Site Name	AEC 1				APEC 4			
				Sample Name	SW3-DUP	SW4	SW5	SW6	DW1	DW1-DUP	DW2	DW3
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centratio	FWAL (LT)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-004	WT2213112-005	WT2213112-006	WT2213112-007	WT2213112-009	WT2213112-010	WT2213112-011	WT2213112-012
				Detection Limit								
1+2-Methylnaphthalene	mg/L	<0.000015	ng	0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
1-Methylnaphthalene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
2-Methylnaphthalene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	mg/L	<0.00001	0.0058	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acridine	mg/L	<0.00001	0.0044	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	mg/L	<0.00001	0.000012	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
B[a]P TPE Total Potency Equivalent	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benz[a]anthracene	mg/L	<0.00001	0.000018	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	mg/L	<0.000005	0.000015	0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Benzo[b,j,k]fluoranthene	mg/L	<0.000015	ng	0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Benzo[b,j]fluoranthene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[e]pyrene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[g,h,i]perylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	mg/L	<0.000005	ng	0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Fluoranthene	mg/L	<0.00001	0.00004	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	mg/L	<0.00001	0.003	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-c,d]pyrene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Naphthalene	mg/L	<0.00001	0.0011	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Perylene	mg/L	<0.00001	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	mg/L	<0.00001	0.0004	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	mg/L	<0.00001	0.000025	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Quinoline	mg/L	<0.000127	0.0034	0.00001, 0.000014, 0.000023, 0.000127	<0.00001	<0.00001	<0.00001	<0.000023	<0.00001	<0.00001	<0.00001	<0.00001

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds FWAL - LT

Pelly Lake Former Airstrip and Fuel Cache Site
Table 21: Surface Water Analytical Results Total Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 21: Surface Water Analytical Results Total Metals							AEC 1									
						Sample Name	PS30	PW3	PW5	PW5-DUP	SW1	SW2	SW3	SW3-DUP	SW4	SW5
						Sample Date	2022-Aug-22	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centratio	FWAL (LT)	FWAL (ST)	AG (I)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
						Lab Sample ID	WT2213112-008	WT2213112-015	WT2213112-016	WT2213112-017	WT2213112-001	WT2213112-002	WT2213112-003	WT2213112-004	WT2213112-005	WT2213112-006
						RDL										
Aluminum	mg/L	0.52	Calculated[1]	-	5	0.003	0.114	0.0606	0.0643	0.0665	0.106	0.52	0.064	0.0653	0.12	0.0083
Antimony	mg/L	0.00236	-	-	-	0.0001	0.00074	0.0002	0.00012	0.00012	<0.0001	<0.0001	0.00022	0.00021	0.00025	0.00236
Arsenic	mg/L	0.00235	0.005	-	0.1	0.0001	0.00018	0.00017	0.00016	0.00016	0.00014	0.00235	0.0002	0.0002	0.0003	<0.0001
Barium	mg/L	0.0193	-	-	-	0.0001	0.00636	0.00657	0.00812	0.00808	0.0083	0.0134	0.00741	0.00737	0.00838	0.0124
Beryllium	mg/L	0.000033	-	-	0.1	0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000033	<0.00002	<0.00002	<0.00002	<0.00002
Bismuth	mg/L	<0.00005	ng	ng	ng	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Boron	mg/L	<0.01	1.5	29	0.5	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium	mg/L	6.96E-05	Calculated[2]	Calculated[2]	0.0051	0.000005	0.0000107	0.0000092	0.0000089	0.0000083	0.0000072	0.000029	0.0000126	0.0000128	0.000015	0.0000696
Calcium	mg/L	9.48	ng	ng	ng	0.05	0.771	1.7	2.05	2	2.82	0.697	1.78	1.76	1.9	0.193
Cesium	mg/L	0.000034	ng	ng	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000011	<0.00001	<0.00001	<0.00001	<0.00001	0.000034
Chromium	mg/L	0.00184	ng	ng	ng	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00184	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	mg/L	0.00312	ng	ng	0.05	0.0001	0.00023	0.0002	0.00062	0.00061	0.0003	0.00312	0.00031	0.0003	0.00033	0.00064
Copper	mg/L	0.00232	Calculated[2]	ng	0.2	0.0005	0.00052	0.00091	0.00076	0.00074	0.00088	0.00232	0.00103	0.00099	0.0012	<0.0005
Iron	mg/L	26.9	0.3	ng	5	0.01	0.469	1.09	1.33	1.36	0.529	26.9	1.4	1.38	2.63	7.34
Lead	mg/L	0.0569	Calculated[2]	ng	0.2	0.00005	0.0569	0.0088	0.00476	0.00483	0.00178	0.000161	0.00973	0.00974	0.0135	<0.00005
Lithium	mg/L	<0.001	ng	ng	2.5	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	3.55	ng	ng	ng	0.005	0.411	0.896	0.984	0.96	1.14	0.348	0.894	0.89	0.918	0.0051
Manganese	mg/L	0.244	Calculated[3]	Calculated[3]	0.2	0.0001	0.0067	0.0105	0.0386	0.0393	0.0179	0.099	0.0181	0.0176	0.0188	0.0326
Mercury	mg/L	6.4E-06	0.000026	ng	ng	0.000005	-	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Molybdenum	mg/L	0.000192	0.073	ng	0.10 / 0.5[4]	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000135	0.00013	<0.00005	<0.00005	0.000086	<0.00005
Nickel	mg/L	0.00193	Calculated[2]	ng	0.2	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00193	<0.0005	<0.0005	<0.0005	0.00087
Phosphorus	mg/L	0.204	See Factsheet	ng	ng	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.204	<0.05	<0.05	<0.05	<0.05
Potassium	mg/L	1.52	ng	ng	ng	0.05	0.341	0.542	0.605	0.604	0.792	0.398	0.546	0.54	0.575	0.631
Rubidium	mg/L	0.00221	ng	ng	ng	0.0002	0.00079	0.00117	0.00137	0.00139	0.00131	0.00079	0.00113	0.00118	0.00128	<0.0002
Selenium	mg/L	0.000089	0.001	ng	0.10 / 0.5[5]	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000084	<0.00005	<0.00005	<0.00005	0.000054
Silver	mg/L	0.000015	0.00025	ng	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000015	0.000011	0.00001	0.00001	0.000013	<0.00001
Sodium	mg/L	1.06	ng	ng	ng	0.05	0.534	0.553	0.55	0.55	0.526	1.06	0.567	0.556	0.574	0.592
Strontium	mg/L	0.0258	ng	ng	ng	0.0002	0.00384	0.0071	0.00764	0.00753	0.0086	0.00467	0.00731	0.00736	0.00759	0.00028
Sulphur	mg/L	0.59	ng	ng	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tellurium	mg/L	<0.0002	ng	ng	ng	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Thallium	mg/L	<0.00001	0.0008	ng	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Thorium	mg/L	0.00085	ng	ng	ng	0.0001	0.00014	<0.0001	0.0001	0.00011	0.00013	0.00085	0.00011	0.00012	0.00015	<0.0001
Tin	mg/L	<0.0001	ng	ng	ng	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium	mg/L	0.00916	ng	ng	ng	0.0003	0.00064	0.00088	0.00096	0.00114	0.0023	0.00916	0.00107	0.0013	0.00332	<0.0003
Tungsten	mg/L	<0.0001	ng	ng	ng	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Uranium	mg/L	0.000649	0.015	0.033	0.01	0.00001	0.000036	0.000027	0.000057	0.000056	0.000113	0.000148	0.000032	0.000033	0.000048	<0.00001
Vanadium	mg/L	0.009	ng	ng	0.1	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.009	<0.0005	<0.0005	0.00159	0.00363
Zinc	mg/L	0.0616	ng	ng	1 / 5[6]	0.003	0.0034	<0.003	<0.003	<0.003	<0.003	0.0616	<0.003	<0.003	<0.003	<0.003
Zirconium	mg/L	0.0012	ng	ng	ng	0.0002	0.00024	<0.0002	<0.0002	<0.0002	0.00023	0.00111	<0.0002	<0.0002	<0.0002	0.00035

Notes:
Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
(1) Guideline is 0.005 mg/L for pH <6.5 and 0.100 mg/L for pH >6.5
(2) Guideline is calculated from hardness, see CCME factsheet for details
(3) Guideline is dependent on pH and hardness, see CCME factsheet for details
(4) Guideline is 0.01 for continuous use on all soils or 0.05 for short term use on acidic soils
(5) Guideline is 0.01 for continuous use on all soils or 0.05 for intermittent use on all soils
(6) Guideline is 1 for pH <6.5 and 5 for pH >6.5
RDL - reported detection limit, may vary between sample locations and events

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds FWAL (LT)
Bold	Concentration exceeds FWAL (ST)
Red	Concentration exceeds AG (I)

Pelly Lake Former Airstrip and Fuel Cache Site
Table 21: Surface Water Analytical Results Total Metals

Pelly Lake Former Airstrip and Fuel Cache Site Table 21: Surface Water Analytical Results Total Metals								APEC 4						Background		
						Sample Name	SW6	DW1	DW1-DUP	DW2	DW3	PW1	PW2	SW-BG1	SW-BG2	SW-BG3
						Sample Date	2022-Aug-22	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-26	2022-Aug-27	2022-Aug-26
Parameter	Units	Max Con-centratio	FWAL (LT)	FWAL (ST)	AG (I)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
						Lab Sample ID	WT2213112-007	WT2213112-009	WT2213112-010	WT2213112-011	WT2213112-012	WT2213112-013	WT2213112-014	WT2213112-021	WT2213112-022	WT2213112-023
						RDL										
Aluminum	mg/L	0.52	Calculated[1]	-	5	0.003	0.0084	0.0436	0.0379	0.0189	0.0416	0.022	0.0161	0.107	0.155	0.0444
Antimony	mg/L	0.00236	-	-	-	0.0001	0.00051	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic	mg/L	0.00235	0.005	-	0.1	0.0001	<0.0001	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00036	0.00028
Barium	mg/L	0.0193	-	-	-	0.0001	0.0148	0.00725	0.00714	0.00635	0.00636	0.00633	0.0062	0.00468	0.0193	0.00304
Beryllium	mg/L	0.000033	-	-	0.1	0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Bismuth	mg/L	<0.00005	ng	ng	ng	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Boron	mg/L	<0.01	1.5	29	0.5	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium	mg/L	6.96E-05	Calculated[2]	Calculated[2]	0.0051	0.000005	0.0000197	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	0.0000089
Calcium	mg/L	9.48	ng	ng	ng	0.05	0.198	1.3	1.32	1.31	1.39	1.31	1.3	0.674	9.48	0.983
Cesium	mg/L	0.000034	ng	ng	ng	0.00001	0.000013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000012	<0.00001
Chromium	mg/L	0.00184	ng	ng	ng	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00053	<0.0005
Cobalt	mg/L	0.00312	ng	ng	0.05	0.0001	0.00124	0.00013	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	0.00148	<0.0001
Copper	mg/L	0.00232	Calculated[2]	ng	0.2	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00057	0.00136	<0.0005
Iron	mg/L	26.9	0.3	ng	5	0.01	17.4	0.22	0.202	0.195	0.218	0.23	0.202	0.203	4.49	0.2
Lead	mg/L	0.0569	Calculated[2]	ng	0.2	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000261	0.000058	<0.00005	<0.00005	0.0001	0.00045
Lithium	mg/L	<0.001	ng	ng	2.5	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	3.55	ng	ng	ng	0.005	0.0069	0.642	0.642	0.639	0.671	0.647	0.644	0.347	3.55	0.518
Manganese	mg/L	0.244	Calculated[3]	Calculated[3]	0.2	0.0001	0.048	0.0359	0.0358	0.0355	0.0333	0.0359	0.0296	0.00467	0.244	0.0032
Mercury	mg/L	6.4E-06	0.000026	ng	ng	0.000005	0.0000064	-	-	-	-	-	-	<0.000005	<0.000005	<0.000005
Molybdenum	mg/L	0.000192	0.073	ng	0.10 / 0.5[4]	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000192	<0.00005
Nickel	mg/L	0.00193	Calculated[2]	ng	0.2	0.0005	0.00119	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00128	<0.0005
Phosphorus	mg/L	0.204	See Factsheet	ng	ng	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium	mg/L	1.52	ng	ng	ng	0.05	0.452	0.542	0.544	0.528	0.566	0.53	0.524	0.129	1.52	0.638
Rubidium	mg/L	0.00221	ng	ng	ng	0.0002	<0.0002	0.00106	0.00107	0.00098	0.001	0.00096	0.00106	0.00034	0.00221	0.00139
Selenium	mg/L	0.000089	0.001	ng	0.10 / 0.5[5]	0.00005	0.000089	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Silver	mg/L	0.000015	0.00025	ng	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000011	<0.00001
Sodium	mg/L	1.06	ng	ng	ng	0.05	0.586	0.402	0.401	0.394	0.395	0.394	0.392	0.491	0.679	0.702
Strontium	mg/L	0.0258	ng	ng	ng	0.0002	0.00028	0.00474	0.00472	0.0044	0.00466	0.0045	0.0045	0.00338	0.0258	0.00388
Sulphur	mg/L	0.59	ng	ng	ng	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.59	<0.5
Tellurium	mg/L	<0.0002	ng	ng	ng	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Thallium	mg/L	<0.00001	0.0008	ng	ng	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Thorium	mg/L	0.00085	ng	ng	ng	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00028	<0.0001
Tin	mg/L	<0.0001	ng	ng	ng	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium	mg/L	0.00916	ng	ng	ng	0.0003	<0.0003	0.0011	0.00098	0.00047	0.00217	0.00088	0.00044	0.00061	0.00672	0.00181
Tungsten	mg/L	<0.0001	ng	ng	ng	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Uranium	mg/L	0.000649	0.015	0.033	0.01	0.00001	<0.00001	0.000028	0.000027	0.000017	0.000026	0.000019	0.000016	0.000028	0.000649	0.00002
Vanadium	mg/L	0.009	ng	ng	0.1	0.0005	0.00508	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00098	<0.0005
Zinc	mg/L	0.0616	ng	ng	1 / 5[6]	0.003	<0.003	<0.003	<0.003	<0.003	0.0076	<0.003	<0.003	<0.003	<0.003	0.0052
Zirconium	mg/L	0.0012	ng	ng	ng	0.0002	0.00071	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0012	<0.0002

Notes:
Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)
(1) Guideline is 0.005 mg/L for pH <6.5 and 0.100 mg/L for pH >6.5
(2) Guideline is calculated from hardness, see CCME factsheet for details
(3) Guideline is dependent on pH and hardness, see CCME factsheet for details
(4) Guideline is 0.01 for continuous use on all soils or 0.05 for short term use on acidic soils
(5) Guideline is 0.01 for continuous use on all soils or 0.05 for intermittent use on all soils
(6) Guideline is 1 for pH <6.5 and 5 for pH >6.5
RDL - reported detection limit, may vary between sample locations and events

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds FWAL (LT)
Bold	Concentration exceeds FWAL (ST)
Red	Concentration exceeds AG (I)

Pelly Lake Former Airstrip and Fuel Cache Site

Table 22: Surface Water Analytical Results Volatile Organic Compounds and Tetraethyl Lead

Pelly Lake Former Airstrip and Fuel Cache Site Table 22: Surface Water Analytical Results Volatile Organic Compounds and Tetraethyl Lead				Site Name	AEC 1									
				Sample Name	PW3	PW5	PW5-DUP	SW1	SW2	SW3	SW3-DUP	SW4	SW5	SW6
				Sample Date	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-25	2022-Aug-26	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22
Parameter	Units	Max Con-centration	FWAL (LT)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-015	WT2213112-016	WT2213112-017	WT2213112-001	WT2213112-002	WT2213112-003	WT2213112-004	WT2213112-005	WT2213112-006	WT2213112-007
				RDL										
1,1,1,2-Tetrachloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,1,1-Trichloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,1-Dichloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,1-Dichloroethene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,2-Dibromoethane	mg/L	<0.0002	ng	0.0002	-	-	-	-	<0.0002	<0.0002	<0.0002	-	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/L	<0.0005	0.0007	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,2-Dichloroethane	mg/L	<0.0005	0.1	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,2-Dichloropropane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/L	<0.0005	0.15	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,3-Dichloropropene (cis+trans)	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/L	<0.0005	0.026	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Acetone	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	<0.02	-	<0.02	<0.02
BTEX, total	mg/L	<0.001	ng	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	<0.0005	0.37	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Bromoform	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Bromomethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Carbon disulfide	mg/L	<0.001	ng	0.001	-	-	-	-	<0.001	<0.001	<0.001	-	<0.001	<0.001
Carbon tetrachloride	mg/L	<0.0002	0.0133	0.0002	-	-	-	-	<0.0002	<0.0002	<0.0002	-	<0.0002	<0.0002
Chlorobenzene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Chloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Chloroform	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Chloromethane	mg/L	<0.002	ng	0.002	-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	<0.002
Dibromochloromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Dichlorodifluoromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Dichloroethylene, cis+trans-1,2-	mg/L	<0.00071	ng	0.00071	-	-	-	-	<0.00071	<0.00071	<0.00071	-	<0.00071	<0.00071
Dichloromethane	mg/L	<0.0012	ng	0.001, 0.0012	-	-	-	-	<0.0012	<0.001	<0.001	-	<0.001	<0.001
Dichloropropylene, cis-1,3-	mg/L	<0.0003	ng	0.0003	-	-	-	-	<0.0003	<0.0003	<0.0003	-	<0.0003	<0.0003
Dichloropropylene, trans-1,3-	mg/L	<0.0003	ng	0.0003	-	-	-	-	<0.0003	<0.0003	<0.0003	-	<0.0003	<0.0003
Dioxane, 1,4-	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	<0.02	-	<0.02	<0.02
Ethylbenzene	mg/L	<0.0005	0.09	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexanone, 2-	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	<0.02	-	<0.02	<0.02
Methyl Ethyl Ketone	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	<0.02	-	<0.02	<0.02
Methyl Isobutyl Ketone	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	<0.02	-	<0.02	<0.02
Methyl tert-butyl ether (MTBE)	mg/L	<0.0005	10	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Styrene	mg/L	<0.0005	0.072	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Tetrachloroethylene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Tetraethyl tin	%	107	ng	20	-	-	-	-	-	99	107	-	104	-
Toluene	mg/L	0.00064	0.002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00064	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethylene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Trichlorofluoromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Trihalomethanes [THMs], total	mg/L	<0.001	ng	0.001	-	-	-	-	<0.001	<0.001	<0.001	-	<0.001	<0.001
Vinyl Chloride	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Xylene (m & p)	mg/L	<0.0004	ng	0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Xylene (o)	mg/L	<0.0003	ng	0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Xylenes (total)	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
n-Hexane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005
Organometallics														
Tetraethyl lead	mg/L	<0.0000002	ng	0.0000002	-	-	-	-	-	<0.0000002	<0.0000002	-	<0.0000002	-

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds FWAL - LT

Pelly Lake Former Airstrip and Fuel Cache Site

Table 22: Surface Water Analytical Results Volatile Organic Compounds and Tetraethyl Lead

Pelly Lake Former Airstrip and Fuel Cache Site Table 22: Surface Water Analytical Results Volatile Organic Compounds and Tetraethyl Lead				Site Name	APEC 4						Background		
				Sample Name	DW1	DW1-DUP	DW2	DW3	PW1	PW2	SW-BG1	SW-BG2	SW-BG3
				Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-25	2022-Aug-26	2022-Aug-27	2022-Aug-26
Parameter	Units	Max Con-centration	FWAL (LT)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-009	WT2213112-010	WT2213112-011	WT2213112-012	WT2213112-013	WT2213112-014	WT2213112-021	WT2213112-022	WT2213112-023
				RDL									
1,1,1,2-Tetrachloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,1,1-Trichloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,1,2,2-Tetrachloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,1,2-Trichloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,1-Dichloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,1-Dichloroethene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,2-Dibromoethane	mg/L	<0.0002	ng	0.0002	-	-	-	-	<0.0002	<0.0002	-	-	-
1,2-Dichlorobenzene	mg/L	<0.0005	0.0007	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,2-Dichloroethane	mg/L	<0.0005	0.1	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,2-Dichloropropane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,3-Dichlorobenzene	mg/L	<0.0005	0.15	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,3-Dichloropropene (cis+trans)	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
1,4-Dichlorobenzene	mg/L	<0.0005	0.026	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Acetone	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	-	-	-
BTEX, total	mg/L	<0.001	ng	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-
Benzene	mg/L	<0.0005	0.37	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-
Bromodichloromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Bromoform	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Bromomethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Carbon disulfide	mg/L	<0.001	ng	0.001	-	-	-	-	<0.001	<0.001	-	-	-
Carbon tetrachloride	mg/L	<0.0002	0.0133	0.0002	-	-	-	-	<0.0002	<0.0002	-	-	-
Chlorobenzene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Chloroethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Chloroform	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Chloromethane	mg/L	<0.002	ng	0.002	-	-	-	-	<0.002	<0.002	-	-	-
Dibromochloromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Dichlorodifluoromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Dichloroethylene, cis+trans-1,2-	mg/L	<0.00071	ng	0.00071	-	-	-	-	<0.00071	<0.00071	-	-	-
Dichloromethane	mg/L	<0.0012	ng	0.001, 0.0012	-	-	-	-	<0.001	<0.001	-	-	-
Dichloropropylene, cis-1,3-	mg/L	<0.0003	ng	0.0003	-	-	-	-	<0.0003	<0.0003	-	-	-
Dichloropropylene, trans-1,3-	mg/L	<0.0003	ng	0.0003	-	-	-	-	<0.0003	<0.0003	-	-	-
Dioxane, 1,4-	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	-	-	-
Ethylbenzene	mg/L	<0.0005	0.09	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-
Hexanone, 2-	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	-	-	-
Methyl Ethyl Ketone	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	-	-	-
Methyl Isobutyl Ketone	mg/L	<0.02	ng	0.02	-	-	-	-	<0.02	<0.02	-	-	-
Methyl tert-butyl ether (MTBE)	mg/L	<0.0005	10	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Styrene	mg/L	<0.0005	0.072	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Tetrachloroethylene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Tetraethyl tin	%	107	ng	20	-	-	-	-	-	107	89.8	98.9	104
Toluene	mg/L	0.00064	0.002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-
Trichloroethylene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Trichlorofluoromethane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Trihalomethanes [THMs], total	mg/L	<0.001	ng	0.001	-	-	-	-	<0.001	<0.001	-	-	-
Vinyl Chloride	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Xylene (m & p)	mg/L	<0.0004	ng	0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	-	-	-
Xylene (o)	mg/L	<0.0003	ng	0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	-	-	-
Xylenes (total)	mg/L	<0.0005	ng	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-
cis-1,2-Dichloroethene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
n-Hexane	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
trans-1,2-Dichloroethene	mg/L	<0.0005	ng	0.0005	-	-	-	-	<0.0005	<0.0005	-	-	-
Organometallics													
Tetraethyl lead	mg/L	<0.0000002	ng	0.0000002	-	-	-	-	-	<0.0000002	<0.0000002	<0.0000002	<0.0000002

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow — Detection limit exceeds a guideline

Filled — Concentration exceeds FWAL - LT

Pelly Lake Former Airstrip and Fuel Cache Site
Table 23: Surface Water Analytical Results Glycols

Pelly Lake Analytical Chemistry Results: Glycols in Surface Water				Site Name	AEC 1				APEC 4	
				Sample Name	SW3	SW3-DUP	SW5	SW6	PW1	PW2
				Sample Date	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-22	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centration	FWAL (LT)	Lab Job Number	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112	WT2213112
				Lab Sample ID	WT2213112-003	WT2213112-004	WT2213112-006	WT2213112-007	WT2213112-013	WT2213112-014
				RDL						
Diethylene glycol	mg/L	<5	ng	5	<5	<5	<5	<5	<5	<5
Ethylene glycol	mg/L	<5	192	5	<5	<5	<5	<5	<5	<5
Propanediol, 1,3-	mg/L	<5	ng	5	<5	<5	<5	<5	<5	<5
Propylene glycol	mg/L	<5	500	5	<5	<5	<5	<5	<5	<5
Tetraethylene glycol	mg/L	<5	ng	5	<5	<5	<5	<5	<5	<5
Triethylene glycol	mg/L	<5	ng	5	<5	<5	<5	<5	<5	<5

Notes:

Canadian Water Quality Guidelines for the protection of freshwater aquatic life (FWAL), long term effects (LT), short term effects (ST), Agricultural Land Use (AG) - Irrigation (I)

RDL - reported detection limit, may vary between sample locations and events

ng - no guideline

Yellow	Detection limit exceeds a guideline
Filled	Concentration exceeds FWAL - LT

Pelly Lake Former Airstrip and Fuel Cache Site

Table 24: Surface Water Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 24: Surface Water Analytical Results Quality Assurance/Quality Control		Site Name	AEC 1		RPD	AEC 1		RPD	APEC 4		RPD	AEC 1	AEC 1
		Sample Name	SW3	SW3-DUP		PW5	PW5-DUP		DW1	DW1-DUP		TRIP BLANK 1	TRIP BLANK 2
		Sample Date	2022-Aug-22	2022-Aug-22		2022-Aug-24	2022-Aug-24		2022-Aug-25	2022-Aug-25		2022-Aug-22	2022-Aug-22
Parameter	Units	Lab Job Number	WT2213112	WT2213112		WT2213112	WT2213112		WT2213112	WT2213112		WT2213112	WT2213112
		Lab Sample ID	WT2213112-003	WT2213112-004		WT2213112-016	WT2213112-017		WT2213112-009	WT2213112-010		WT2213112-024	WT2213112-025
General Chemistry		RDL											
Alkalinity (Total as CaCO3)	mg/L	1	7.5	7.1	5%	9.3	8.8	6%	5.9	2.3	NC	1	<1
Bromide	mg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1
Chloride	mg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	0.52	NC	<0.5	<0.5
Fluoride	mg/L	0.02	0.046	0.046	NC	0.043	0.044	NC	0.028	0.028	NC	<0.02	<0.02
Hardness (as CaCO3), total	mg/L	0.5	8.13	8.06	1%	9.17	8.95	2%	5.89	5.94	1%		
Nitrate (as N)	mg/L	0.02	0.05	0.032	NC	<0.02	0.022	NC	0.139	0.205	38%	<0.02	<0.02
Nitrite (as N)	mg/L	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01
Phosphate, ortho-, dissolved (as P)	mg/L	0.003	<0.003	<0.003	NC	<0.003	<0.003	NC	<0.003	<0.003	NC	<0.003	<0.003
Silicon	mg/L	0.1	0.94	0.94	0%	1.26	1.28	2%	0.5	0.49	NC	1.06	1.07
Sulphate	mg/L	0.3	0.55	0.49	NC	0.6	0.62	NC	0.97	0.97	NC	<0.3	<0.3
Total Dissolved Solids	mg/L	10	15	16	NC	16	16	NC	10	<10	NC	<10	<10
Total Suspended Solids	mg/L	3	17.1	3.9	NC	<3	<3	NC	4.6	3.1	NC	<3	<3
pH	pH units	0.1	6.94	6.94	0%	7	7.14	2%	6.77	6.81	1%	6.29	6.13
Glycols		-											
Diethylene glycol	mg/L	5	<5	<5	NC	-	-	-	-	-	-	<5	<5
Ethylene glycol	mg/L	5	<5	<5	NC	-	-	-	-	-	-	<5	<5
Propanediol, 1,3-	mg/L	5	<5	<5	NC	-	-	-	-	-	-	<5	<5
Propylene glycol	mg/L	5	<5	<5	NC	-	-	-	-	-	-	<5	<5
Tetraethylene glycol	mg/L	5	<5	<5	NC	-	-	-	-	-	-	<5	<5
Triethylene glycol	mg/L	5	<5	<5	NC	-	-	-	-	-	-	<5	<5
Petroleum Hydrocarbons		-											
F1 (C6-C10)	mg/L	0.025	<0.025	<0.025	NC	<0.025	<0.025	NC	<0.025	<0.025	NC	<0.025	<0.025
F1-BTEX	mg/L	0.025	<0.025	<0.025	NC	<0.025	<0.025	NC	<0.025	<0.025	NC	<0.025	<0.025
F2 (C10-C16)	mg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1
F3 (C16-C34)	mg/L	0.25	<0.25	<0.25	NC	<0.25	<0.25	NC	<0.25	<0.25	NC	<0.25	<0.25
F4 (C34-C50)	mg/L	0.25	<0.25	<0.25	NC	<0.25	<0.25	NC	<0.25	<0.25	NC	<0.25	<0.25
Hydrocarbons, total (C6-C50)	mg/L	0.37	<0.37	<0.37	NC	<0.37	<0.37	NC	<0.37	<0.37	NC	<0.37	<0.37
Polycyclic Aromatic Hydrocarbons													
1+2-Methylnaphthalene	mg/L	0.000015	<0.000015	<0.000015	NC	<0.000015	<0.000015	NC	<0.000015	<0.000015	NC	<0.000015	<0.000015
1-Methylnaphthalene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
2-Methylnaphthalene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Acenaphthene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Acenaphthylene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Acridine	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Anthracene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
B[a]P TPE Total Potency Equivalents	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Benz[a]anthracene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Benzo[a]pyrene	mg/L	0.000005	<0.000005	<0.000005	NC	<0.000005	<0.000005	NC	<0.000005	<0.000005	NC	<0.000005	<0.000005
Benzo[b,j,k]fluoranthene	mg/L	0.000015	<0.000015	<0.000015	NC	<0.000015	<0.000015	NC	<0.000015	<0.000015	NC	<0.000015	<0.000015
Benzo[b,j]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Benzo[e]pyrene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Benzo[g,h,i]perylene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Benzo[k]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Chrysene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Dibenz[a,h]anthracene	mg/L	0.000005	<0.000005	<0.000005	NC	<0.000005	<0.000005	NC	<0.000005	<0.000005	NC	<0.000005	<0.000005
Fluoranthene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Fluorene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Indeno[1,2,3-c,d]pyrene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Naphthalene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Perylene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Phenanthrene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Pyrene	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Quinoline	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001

Pelly Lake Former Airstrip and Fuel Cache Site

Table 24: Surface Water Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 24: Surface Water Analytical Results Quality Assurance/Quality Control		Site Name	AEC 1		RPD	AEC 1		RPD	APEC 4		RPD	AEC 1	AEC 1
		Sample Name	SW3	SW3-DUP		PW5	PW5-DUP		DW1	DW1-DUP		TRIP BLANK 1	TRIP BLANK 2
		Sample Date	2022-Aug-22	2022-Aug-22		2022-Aug-24	2022-Aug-24		2022-Aug-25	2022-Aug-25		2022-Aug-22	2022-Aug-22
Parameter	Units	Lab Job Number	WT2213112	WT2213112		WT2213112	WT2213112		WT2213112	WT2213112		WT2213112	WT2213112
		Lab Sample ID	WT2213112-003	WT2213112-004		WT2213112-016	WT2213112-017		WT2213112-009	WT2213112-010		WT2213112-024	WT2213112-025
Total Metals													
Aluminum	mg/L	0.003	0.064	0.0653	2%	0.0643	0.0665	3%	0.0436	0.0379	14%	0.0083	0.0084
Antimony	mg/L	0.0001	0.00022	0.00021	NC	0.00012	0.00012	NC	<0.0001	<0.0001	NC	<0.0001	<0.0001
Arsenic	mg/L	0.0001	0.0002	0.0002	NC	0.00016	0.00016	NC	0.00011	<0.0001	NC	<0.0001	<0.0001
Barium	mg/L	0.0001	0.00741	0.00737	1%	0.00812	0.00808	0%	0.00725	0.00714	2%	0.00016	0.00016
Beryllium	mg/L	0.00002	<0.00002	<0.00002	NC	<0.00002	<0.00002	NC	<0.00002	<0.00002	NC	<0.00002	<0.00002
Bismuth	mg/L	0.00005	<0.00005	<0.00005	NC	<0.00005	<0.00005	NC	<0.00005	<0.00005	NC	<0.00005	<0.00005
Boron	mg/L	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01
Cadmium	mg/L	0.000005	0.0000126	0.0000128	NC	0.0000089	0.0000083	NC	<0.000005	<0.000005	NC	<0.000005	<0.000005
Calcium	mg/L	0.05	1.78	1.76	1%	2.05	2	2%	1.3	1.32	2%	0.193	0.198
Cesium	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Chromium	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Cobalt	mg/L	0.0001	0.00031	0.0003	NC	0.00062	0.00061	2%	0.00013	0.00012	NC	<0.0001	<0.0001
Copper	mg/L	0.0005	0.00103	0.00099	NC	0.00076	0.00074	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Iron	mg/L	0.01	1.4	1.38	1%	1.33	1.36	2%	0.22	0.202	9%	<0.01	<0.01
Lead	mg/L	0.00005	0.00973	0.00974	0%	0.00476	0.00483	1%	<0.00005	<0.00005	NC	<0.00005	<0.00005
Lithium	mg/L	0.001	<0.001	<0.001	NC	<0.001	<0.001	NC	<0.001	<0.001	NC	<0.001	<0.001
Magnesium	mg/L	0.005	0.894	0.89	0%	0.984	0.96	2%	0.642	0.642	0%	0.0051	0.0069
Manganese	mg/L	0.0001	0.0181	0.0176	3%	0.0386	0.0393	2%	0.0359	0.0358	0%	<0.0001	<0.0001
Mercury	mg/L	0.000005	<0.000005	<0.000005	NC	<0.000005	<0.000005	NC	-	-	-	-	-
Molybdenum	mg/L	0.00005	<0.00005	<0.00005	NC	<0.00005	<0.00005	NC	<0.00005	<0.00005	NC	<0.00005	<0.00005
Nickel	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Phosphorus	mg/L	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05
Potassium	mg/L	0.05	0.546	0.54	1%	0.605	0.604	0%	0.542	0.544	0%	<0.05	<0.05
Rubidium	mg/L	0.0002	0.00113	0.00118	4%	0.00137	0.00139	1%	0.00106	0.00107	1%	<0.0002	<0.0002
Selenium	mg/L	0.00005	<0.00005	<0.00005	NC	<0.00005	<0.00005	NC	<0.00005	<0.00005	NC	<0.00005	<0.00005
Silver	mg/L	0.00001	0.00001	0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Sodium	mg/L	0.05	0.567	0.556	2%	0.55	0.55	0%	0.402	0.401	0%	0.283	0.279
Strontium	mg/L	0.0002	0.00731	0.00736	1%	0.00764	0.00753	1%	0.00474	0.00472	0%	0.00028	0.00028
Sulphur	mg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5
Tellurium	mg/L	0.0002	<0.0002	<0.0002	NC	<0.0002	<0.0002	NC	<0.0002	<0.0002	NC	<0.0002	<0.0002
Thallium	mg/L	0.00001	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001	NC	<0.00001	<0.00001
Thorium	mg/L	0.0001	0.00011	0.00012	NC	0.0001	0.00011	NC	<0.0001	<0.0001	NC	<0.0001	<0.0001
Tin	mg/L	0.0001	<0.0001	<0.0001	NC	<0.0001	<0.0001	NC	<0.0001	<0.0001	NC	<0.0001	<0.0001
Titanium	mg/L	0.0003	0.00107	0.0013	NC	0.00096	0.00114	NC	0.0011	0.00098	NC	<0.0003	<0.0003
Tungsten	mg/L	0.0001	<0.0001	<0.0001	NC	<0.0001	<0.0001	NC	<0.0001	<0.0001	NC	<0.0001	<0.0001
Uranium	mg/L	0.00001	0.000032	0.000033	NC	0.000057	0.000056	2%	0.000028	0.000027	NC	<0.00001	<0.00001
Vanadium	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Zinc	mg/L	0.003	<0.003	<0.003	NC	<0.003	<0.003	NC	<0.003	<0.003	NC	<0.003	<0.003
Zirconium	mg/L	0.0002	<0.0002	<0.0002	NC	<0.0002	<0.0002	NC	<0.0002	<0.0002	NC	<0.0002	<0.0002

Pelly Lake Former Airstrip and Fuel Cache Site

Table 24: Surface Water Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 24: Surface Water Analytical Results Quality Assurance/Quality Control		Site Name	AEC 1		RPD	AEC 1		RPD	APEC 4		RPD	AEC 1	AEC 1
		Sample Name	SW3	SW3-DUP		PW5	PW5-DUP		DW1	DW1-DUP		TRIP BLANK 1	TRIP BLANK 2
		Sample Date	2022-Aug-22	2022-Aug-22		2022-Aug-24	2022-Aug-24		2022-Aug-25	2022-Aug-25		2022-Aug-22	2022-Aug-22
Parameter	Units	Lab Job Number	WT2213112	WT2213112		WT2213112	WT2213112		WT2213112	WT2213112		WT2213112	WT2213112
		Lab Sample ID	WT2213112-003	WT2213112-004		WT2213112-016	WT2213112-017		WT2213112-009	WT2213112-010		WT2213112-024	WT2213112-025
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,1,1-Trichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,1-Dichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,1-Dichloroethene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,2-Dibromoethane	mg/L	0.0002	<0.0002	<0.0002	NC	-	-	-	-	-	-	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,2-Dichloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,2-Dichloropropane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,3-Dichloropropene (cis+trans)	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Acetone	mg/L	0.02	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02
BTEX, total	mg/L	0.001	<0.001	<0.001	NC	<0.001	<0.001	NC	<0.001	<0.001	NC	<0.001	<0.001
Benzene	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Bromodichloromethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Bromoform	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Bromomethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Carbon disulfide	mg/L	0.001	<0.001	<0.001	NC	-	-	-	-	-	-	<0.001	<0.001
Carbon tetrachloride	mg/L	0.0002	<0.0002	<0.0002	NC	-	-	-	-	-	-	<0.0002	<0.0002
Chlorobenzene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Chloroethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Chloroform	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Chloromethane	mg/L	0.002	<0.002	<0.002	NC	-	-	-	-	-	-	<0.002	<0.002
Dibromochloromethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Dichlorodifluoromethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Dichloroethylene, cis+trans-1,2-	mg/L	0.00071	<0.00071	<0.00071	NC	-	-	-	-	-	-	<0.00071	<0.00071
Dichloromethane	mg/L	0.001	<0.001	<0.001	NC	-	-	-	-	-	-	<0.001	<0.001
Dichloropropylene, cis-1,3-	mg/L	0.0003	<0.0003	<0.0003	NC	-	-	-	-	-	-	<0.0003	<0.0003
Dichloropropylene, trans-1,3-	mg/L	0.0003	<0.0003	<0.0003	NC	-	-	-	-	-	-	<0.0003	<0.0003
Dioxane, 1,4-	mg/L	0.02	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02
Ethylbenzene	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Hexanone, 2-	mg/L	0.02	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02
Methyl Ethyl Ketone	mg/L	0.02	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02
Methyl Isobutyl Ketone	mg/L	0.02	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02
Methyl tert-butyl ether (MTBE)	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Styrene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Tetrachloroethylene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Tetraethyl lead	mg/L	0.0000002	<0.0000002	<0.0000002	NC	-	-	-	-	-	-	<0.0000002	-
Toluene	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
Trichloroethylene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Trichlorofluoromethane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Trihalomethanes [THMs], total	mg/L	0.001	<0.001	<0.001	NC	-	-	-	-	-	-	<0.001	<0.001
Vinyl Chloride	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
Xylene (m & p)	mg/L	0.0004	<0.0004	<0.0004	NC	<0.0004	<0.0004	NC	<0.0004	<0.0004	NC	<0.0004	<0.0004
Xylene (o)	mg/L	0.0003	<0.0003	<0.0003	NC	<0.0003	<0.0003	NC	<0.0003	<0.0003	NC	<0.0003	<0.0003
Xylenes (total)	mg/L	0.0005	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005	NC	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
n-Hexane	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/L	0.0005	<0.0005	<0.0005	NC	-	-	-	-	-	-	<0.0005	<0.0005

Notes:

RDL	Reported Detection Limit - May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange	RPD exceeds 40% (Surface Water data quality objective*)

onmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Pelly Lake Former Airstrip and Fuel Cache Site
Table 25: Soil Analytical Results Toxicity Characteristic Leachate Procedure

Pelly Lake Former Airstrip and Fuel Cache Site Table 25: Soil Analytical Results Toxicity Characteristic Leachate Procedure			Site Name	AEC1		APEC2			APEC3		APEC4
			Sample Name	CAMP7-SS1-TCLP	PS28-SS1-TCLP	PS14-SS1-TCLP	PS15-SS1-TCLP	PS24-SS1-TCLP	SITE2-2-SS1-TCLP	SITE2-14-SS1-TCLP	PW1-SED-TCLP
			Sample Date	2022-Aug-25	2022-Aug-25	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-27	2022-Aug-27	2022-Aug-25
			Lab Job Number	WT2213044	WT2213044	WT2213045	WT2213045	WT2213045	WT2213042	WT2213043	WT2212995
Parameter	Units	Max Con-centration	Lab Sample ID	WT2213044-050	WT2213044-049	WT2213045-049	WT2213045-050	WT2213045-054	WT2213042-049	WT2213043-043	WT2212995-022
			Sample Depth	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3
Toxicity Characteristic Leaching Procedure			RDL								
2-Bromobenzotrifluoride, TCLP	%	105	1	84.2	89.6	92.1	95.2	90.1	105	91	93.4
Antimony, TCLP	mg/L	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, TCLP	mg/L	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
Barium, TCLP	mg/L	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Beryllium, TCLP	mg/L	<0.025	0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Boron, TCLP	mg/L	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, TCLP	mg/L	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Calcium, TCLP	mg/L	<10	10	<10	<10	<10	<10	<10	<10	<10	<10
Chromium, TCLP	mg/L	<0.25	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Cobalt, TCLP	mg/L	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, TCLP	mg/L	0.066	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorotoluene, 3,4-, TCLP	%	122	1	99.6	92.2	101	104	122	92.3	87.7	108
F1 (C6-C10), TCLP	mg/L	<5	5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10-C16), TCLP	mg/L	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
F3 (C16-C34), TCLP	mg/L	<0.25	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
F4 (C34-C50), TCLP	mg/L	<0.25	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hydrocarbons, total (C6-C16), TCLP	mg/L	<5	5	<5	<5	<5	<5	<5	<5	<5	<5
Hydrocarbons, total (C6-C50), TCLP	mg/L	<5.02	5.02	<5.02	<5.02	<5.02	<5.02	<5.02	<5.02	<5.02	<5.02
Iron, TCLP	mg/L	<5	5	<5	<5	<5	<5	<5	<5	<5	<5
Lead, TCLP	mg/L	35.9	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Magnesium, TCLP	mg/L	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Nickel, TCLP	mg/L	<0.25	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Selenium, TCLP	mg/L	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver, TCLP	mg/L	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Thallium, TCLP	mg/L	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, TCLP	mg/L	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vanadium, TCLP	mg/L	<0.15	0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Zinc, TCLP	mg/L	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zirconium, TCLP	mg/L	<10	10	<10	<10	<10	<10	<10	<10	<10	<10
pH, TCLP 1st preliminary	pH units	9.92	0.01	5.63	5.8	5.75	5.79	5.73	9.92	9.23	6.23
pH, TCLP 2nd preliminary	pH units	4.48	0.01	1.39	4.48	1.37	1.43	1.37	1.49	1.46	1.33
pH, TCLP extraction fluid initial	pH units	4.96	0.01	4.89	4.89	4.95	4.95	4.96	4.92	4.92	4.95
pH, TCLP final	pH units	4.96	0.01	4.87	4.88	4.92	4.93	4.96	4.88	4.9	4.93

Notes:
RDL - reported detection limit - may vary between sample locations and events

Pelly Lake Analytical Chemistry Results:

Table 26: Sediment Analytical Results Toxicity Characteristic Leachate Procedure

Pelly Lake Former Airstrip and Fuel Cache Site Table 26: Sediment Analytical Results Toxicity Characteristic Leachate Procedure			Site Name	AEC 1	APEC 4
			Sample Name	PS30-SED-TCLP	PW1-SED-TCLP
			Sample Date	2022-Aug-25	2022-Aug-25
Parameter	Units	Max Con-centration	Lab Job Number	WT2212995	WT2212995
			Lab Sample ID	WT2212995-023	WT2212995-022
			RDL		
2-Bromobenzotrifluoride, TCLP	%	93.4	1	87	93.4
Antimony, TCLP	mg/L	<0.1	0.1	<0.1	<0.1
Arsenic, TCLP	mg/L	<1	1	<1	<1
Barium, TCLP	mg/L	<2.5	2.5	<2.5	<2.5
Beryllium, TCLP	mg/L	<0.025	0.025	<0.025	<0.025
Boron, TCLP	mg/L	<0.5	0.5	<0.5	<0.5
Cadmium, TCLP	mg/L	<0.05	0.05	<0.05	<0.05
Calcium, TCLP	mg/L	<10	10	<10	<10
Chromium, TCLP	mg/L	<0.25	0.25	<0.25	<0.25
Cobalt, TCLP	mg/L	<0.05	0.05	<0.05	<0.05
Copper, TCLP	mg/L	<0.05	0.05	0.066	<0.05
Dichlorotoluene, 3,4-, TCLP	%	108	1	95.5	108
F1 (C6-C10), TCLP	mg/L	<5	5	<5	<5
F2 (C10-C16), TCLP	mg/L	<0.1	0.1	<0.1	<0.1
F3 (C16-C34), TCLP	mg/L	<0.25	0.25	<0.25	<0.25
F4 (C34-C50), TCLP	mg/L	<0.25	0.25	<0.25	<0.25
Hydrocarbons, total (C6-C16), TCLP	mg/L	<5	5	<5	<5
Hydrocarbons, total (C6-C50), TCLP	mg/L	<5.02	5.02	<5.02	<5.02
Iron, TCLP	mg/L	<5	5	<5	<5
Lead, TCLP	mg/L	<0.25	0.25	35.9	<0.25
Magnesium, TCLP	mg/L	<2.5	2.5	<2.5	<2.5
Nickel, TCLP	mg/L	<0.25	0.25	<0.25	<0.25
Selenium, TCLP	mg/L	<0.1	0.1	<0.1	<0.1
Silver, TCLP	mg/L	<0.05	0.05	<0.05	<0.05
Thallium, TCLP	mg/L	<1	1	<1	<1
Uranium, TCLP	mg/L	<0.2	0.2	<0.2	<0.2
Vanadium, TCLP	mg/L	<0.15	0.15	<0.15	<0.15
Zinc, TCLP	mg/L	<0.5	0.5	<0.5	<0.5
Zirconium, TCLP	mg/L	<10	10	<10	<10
pH, TCLP 1st preliminary	pH units	6.23	0.01	6.15	6.23
pH, TCLP 2nd preliminary	pH units	1.33	0.01	1.49	1.33
pH, TCLP extraction fluid initial	pH units	4.95	0.01	4.94	4.95
pH, TCLP final	pH units	4.93	0.01	4.9	4.93

Notes:

RDL - reported detection limit - may vary between sample locations and events

Pelly Lake Former Airstrip and Fuel Cache Site Table 27: Vegetation Analytical Results Total Metals			Site Name	APEC1				APEC2			APEC3			APEC5
			Interval	CAMP6-VEG	PS27-VEG	PS27-VEG	PS28-VEG	PS14-VEG	PS20-VEG	PS20-VEG	PS2-VEG	PS11-VEG	SITE2-11-VEG	LL-SS1-VEG
			Sample Name	CAMP6-VEG	PS27-VEG	PS27-VEGDUP	PS28-VEG	PS14-VEG	PS20-VEG	PS20-VEG-DUP	PS2-VEG	PS11-VEG	SITE2-11-VEG	LL-SS1-VEG
			Sample Date	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-23	2022-Aug-24	2022-Aug-24	2022-Aug-24	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26
Parameter	Units	Max Con-centratio	Lab Job Number	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171
			Lab Sample ID	WT2213171-016	WT2213171-017	WT2213171-018	WT2213171-019	WT2213171-013	WT2213171-014	WT2213171-015	WT2213171-020	WT2213171-012	WT2213171-021	WT2213171-001
			RDL											
Aluminum	mg/kg	959	2	313	583	644	111	959	532	498	161	249	722	257
Antimony	mg/kg	0.03	0.01	<0.01	0.017	0.014	<0.01	0.016	0.014	0.01	<0.01	0.011	0.03	<0.01
Arsenic	mg/kg	0.309	0.02	0.037	0.12	0.116	<0.02	0.208	0.126	0.067	0.028	0.057	0.152	0.034
Barium	mg/kg	65.9	0.05	49.2	50.6	56.8	38.2	26.1	48	49	37.3	31.7	40.9	52.7
Beryllium	mg/kg	0.062	0.01	0.014	0.037	0.047	0.012	0.053	0.035	0.03	0.017	0.037	0.058	0.016
Bismuth	mg/kg	0.016	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Boron	mg/kg	17.5	1	12.5	4.9	5.3	8.3	2.7	3.5	4	15.1	4.7	3.2	14.2
Cadmium	mg/kg	0.506	0.005	0.009	0.165	0.166	0.0372	0.506	0.228	0.19	0.0296	0.0478	0.0502	0.0147
Calcium	mg/kg	5380	20	4310	3000	3220	2780	1630	1960	2100	4910	1700	1330	4710
Cesium	mg/kg	0.126	0.005	0.0231	0.0609	0.0701	0.019	0.0802	0.0698	0.0644	0.0111	0.0285	0.0482	0.0206
Chromium	mg/kg	2.4	0.05	0.247	1.45	0.75	0.102	0.894	0.638	0.418	0.081	0.268	0.928	0.2
Cobalt	mg/kg	1.38	0.02	0.137	0.259	0.294	0.072	0.42	0.259	0.26	0.151	0.263	0.453	0.122
Copper	mg/kg	12.9	0.1	4.2	10.6	7.92	5.83	5.49	9.14	8.57	5.87	5.6	5.61	4.82
Iron	mg/kg	3250	3	314	739	683	105	1130	628	459	158	298	1070	216
Lead	mg/kg	20.2	0.02	0.261	9.11	4.59	1.16	4.19	1.78	1.66	0.339	0.414	20.2	0.296
Lithium	mg/kg	1.42	0.5	<0.5	0.6	0.62	<0.5	1.42	<0.5	<0.5	<0.5	<0.5	0.79	<0.5
Magnesium	mg/kg	1840	2	788	929	1020	715	888	621	677	1090	1130	897	941
Manganese	mg/kg	1440	0.05	217	112	145	144	66.6	101	132	445	200	184	372
Mercury	mg/kg	0.0724	0.005	0.0107	0.0246	0.0296	0.0096	0.0114	0.0154	0.0177	0.0192	0.0382	0.0252	0.011
Molybdenum	mg/kg	0.464	0.02	0.027	0.15	0.114	0.051	0.397	0.121	0.107	0.093	0.147	0.324	0.033
Nickel	mg/kg	2.82	0.2	1.73	1.52	2.27	1.28	1.04	1.16	1.14	1.36	2	2.82	1.58
Phosphorus	mg/kg	1400	10	863	737	799	852	466	651	699	939	912	496	1090
Potassium	mg/kg	11400	20	3640	3030	3560	3690	1980	3700	3160	3440	5480	2600	3610
Rubidium	mg/kg	12.6	0.05	8.69	4.25	5.22	12.6	4.06	9.82	8.5	5.68	7.56	4.03	8.02
Selenium	mg/kg	0.101	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium	mg/kg	77	20	<20	47	59	<20	39	55	50	26	61	57	29
Strontium	mg/kg	24.6	0.05	21.4	13.3	14.4	12.3	7.75	12.5	12.1	9.8	8.23	8.76	20.5
Tellurium	mg/kg	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Thallium	mg/kg	0.0316	0.002	0.0031	0.006	0.0048	0.0021	0.01	0.0092	0.0143	0.0212	0.0032	0.0102	0.0044
Tin	mg/kg	0.29	0.1	<0.1	0.27	0.22	<0.1	0.29	0.17	0.12	<0.1	0.17	0.13	<0.1
Uranium	mg/kg	0.193	0.002	0.0213	0.0762	0.073	0.0098	0.156	0.0781	0.0712	0.0176	0.0312	0.124	0.0253
Vanadium	mg/kg	2.43	0.1	0.46	1.04	0.94	0.13	1.67	0.77	0.6	0.15	0.4	1.16	0.28
Zinc	mg/kg	954	0.5	14	461	428	27.3	130	139	158	22.5	28.2	278	18.1
Zirconium	mg/kg	1.49	0.2	<0.2	0.79	0.59	<0.2	1.35	0.65	0.57	<0.2	0.29	0.9	<0.2

Notes:

RDL Reported Detection Limit - May vary between sample locations and events

Pelly Lake Former Airstrip and Fuel Cache Site Table 27: Vegetation Analytical Results Total Metals			Site Name	Background									
			Interval	BG1-SS1-VEG	BG1-SS1-VEG	BG1-SS2-VEG	BG1-SS2-VEG	BG2-SS1-VEG	BG2-SS2-VEG	BG2-SS3-VEG	BG3-SS1-VEG	BG3-SS2-VEG	BG3-SS3-VEG
			Sample Name	BG1-SS1-VEG	BG3-SS1-VEG-DUP	BG1-SS2-VEG	BG1-SS2-VEG-DUP	BG2-SS1-VEG	BG2-SS2-VEG	BG2-SS3-VEG	BG3-SS1-VEG	BG3-SS2-VEG	BG3-SS3-VEG
			Sample Date	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-26	2022-Aug-27	2022-Aug-27	2022-Aug-27	2022-Aug-26	2022-Aug-26	2022-Aug-26
Parameter	Units	Max Con-centratio	Lab Job Number	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171	WT2213171
			Lab Sample ID	WT2213171-002	WT2213171-009	WT2213171-003	WT2213171-004	WT2213171-005	WT2213171-006	WT2213171-007	WT2213171-008	WT2213171-010	WT2213171-011
			RDL										
Aluminum	mg/kg	959	2	670	734	824	636	547	137	261	875	66.8	25.6
Antimony	mg/kg	0.03	0.01	0.023	0.019	0.023	0.026	0.015	0.014	0.01	0.022	<0.01	<0.01
Arsenic	mg/kg	0.309	0.02	0.12	0.235	0.233	0.194	0.124	0.073	0.072	0.309	<0.02	<0.02
Barium	mg/kg	65.9	0.05	39.8	24.2	32.4	65.9	52.4	58.7	47.2	25.7	44.4	47.4
Beryllium	mg/kg	0.062	0.01	0.062	0.045	0.059	0.057	0.058	0.014	0.031	0.053	<0.01	<0.01
Bismuth	mg/kg	0.016	0.01	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	0.016	<0.01	<0.01
Boron	mg/kg	17.5	1	3.1	5.4	2.5	3.3	2.9	7.5	14.2	6.7	15.4	17.5
Cadmium	mg/kg	0.506	0.005	0.129	0.312	0.0758	0.0796	0.0701	0.0312	0.218	0.286	0.125	0.06
Calcium	mg/kg	5380	20	1360	3720	1080	1620	2760	5380	4290	3620	3730	2990
Cesium	mg/kg	0.126	0.005	0.0568	0.0846	0.0783	0.0499	0.0459	0.012	0.0352	0.126	0.015	0.0414
Chromium	mg/kg	2.4	0.05	1.2	0.845	1.47	2.4	0.577	0.243	0.306	1.27	<0.05	<0.05
Cobalt	mg/kg	1.38	0.02	0.474	1.36	0.582	0.462	0.723	0.882	0.67	1.38	0.236	0.08
Copper	mg/kg	12.9	0.1	7.65	7.86	3.91	6.28	9.53	12.9	7	9.01	4.46	4.12
Iron	mg/kg	3250	3	1020	2070	1460	1340	887	2440	565	3250	70.1	46
Lead	mg/kg	20.2	0.02	16.7	0.769	10.3	17	0.746	0.393	0.43	1	0.047	0.045
Lithium	mg/kg	1.42	0.5	0.81	0.98	1.24	0.8	0.76	<0.5	<0.5	1.19	<0.5	<0.5
Magnesium	mg/kg	1840	2	831	1500	731	948	1090	1580	1840	1620	1330	1360
Manganese	mg/kg	1440	0.05	114	892	85.2	139	176	447	962	930	1440	960
Mercury	mg/kg	0.0724	0.005	0.0291	0.0724	0.0242	0.0329	0.0353	0.0098	0.0303	0.0717	0.0097	0.0092
Molybdenum	mg/kg	0.464	0.02	0.208	0.101	0.197	0.252	0.419	0.464	0.412	0.105	0.036	0.027
Nickel	mg/kg	2.82	0.2	2.14	0.96	1.97	2.02	2.26	1.16	1.34	1.09	0.26	0.27
Phosphorus	mg/kg	1400	10	502	978	419	432	608	1400	1180	983	1070	936
Potassium	mg/kg	11400	20	2420	2650	1720	2150	1850	11400	5060	2570	5130	3340
Rubidium	mg/kg	12.6	0.05	3.62	5.91	3.08	3.06	1.64	4.78	7.21	6.21	8.12	10.1
Selenium	mg/kg	0.101	0.05	<0.05	0.101	<0.05	<0.05	<0.05	<0.05	<0.05	0.094	<0.05	<0.05
Sodium	mg/kg	77	20	69	69	40	77	53	32	56	65	<20	<20
Strontium	mg/kg	24.6	0.05	8.4	14.2	8.22	8.32	13	24.6	18.2	13.4	7.78	5.44
Tellurium	mg/kg	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Thallium	mg/kg	0.0316	0.002	0.0118	0.0132	0.0131	0.0102	0.0094	0.0051	0.0062	0.0166	0.0022	0.0316
Tin	mg/kg	0.29	0.1	0.2	0.18	0.21	0.19	0.27	0.16	0.18	0.16	<0.1	<0.1
Uranium	mg/kg	0.193	0.002	0.123	0.186	0.139	0.102	0.127	0.151	0.0626	0.193	0.0044	0.003
Vanadium	mg/kg	2.43	0.1	1.08	1.62	1.68	1.17	1.23	0.4	0.6	2.43	<0.1	<0.1
Zinc	mg/kg	954	0.5	954	50.2	516	618	52.6	25.3	66.5	53.3	38.9	29
Zirconium	mg/kg	1.49	0.2	0.71	0.97	1.06	0.75	0.78	0.37	0.3	1.49	<0.2	<0.2

Notes:
RDL Reported Detection Limit - May vary bet

Pelly Lake Former Airstrip and Fuel Cache Site
Table 29: Vegetation Analytical Results Quality Assurance/Quality Control

Pelly Lake Former Airstrip and Fuel Cache Site Table 29: Vegetation Analytical Results Quality Assurance/Quality Control		Site Name	APEC1	APEC1	RPD	APEC2	APEC2	RPD	Background	Background	RPD	Background	Background	RPD
		Interval	PS27-VEG	PS27-VEG		PS20-VEG	PS20-VEG		BG1-SS1-VEG	BG1-SS1-VEG		BG1-SS2-VEG	BG1-SS2-VEG	
		Sample Name	PS27-VEG	PS27-VEGDUP		PS20-VEG	PS20-VEG-DUP		BG1-SS1-VEG	BG3-SS1-VEG-DUP		BG1-SS2-VEG	BG1-SS2-VEG-DUP	
		Sample Date	2022-Aug-23	2022-Aug-23		2022-Aug-24	2022-Aug-24		2022-Aug-26	2022-Aug-26		2022-Aug-26	2022-Aug-26	
Parameter	Units	Lab Job Number	WT2213171	WT2213171		WT2213171	WT2213171		WT2213171	WT2213171		WT2213171	WT2213171	
		Lab Sample ID	WT2213171-017	WT2213171-018		WT2213171-014	WT2213171-015		WT2213171-002	WT2213171-009		WT2213171-003	WT2213171-004	
General Chemistry		RDL												
Moisture	%	0.5	68.7	69.1	1%	73.8	70	5%	70.7	79.2	11%	53.9	70.7	27%
Total Metals														
Aluminum	mg/kg	2	583	644	10%	532	498	7%	670	734	9%	824	636	26%
Antimony	mg/kg	0.01	0.017	0.014	NC	0.014	0.01	NC	0.023	0.019	NC	0.023	0.026	NC
Arsenic	mg/kg	0.02	0.12	0.116	3%	0.126	0.067	NC	0.12	0.235	65%	0.233	0.194	18%
Barium	mg/kg	0.05	50.6	56.8	12%	48	49	2%	39.8	24.2	49%	32.4	65.9	68%
Beryllium	mg/kg	0.01	0.037	0.047	NC	0.035	0.03	NC	0.062	0.045	NC	0.059	0.057	3%
Bismuth	mg/kg	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	0.011	NC	<0.01	<0.01	NC
Boron	mg/kg	1	4.9	5.3	NC	3.5	4	NC	3.1	5.4	NC	2.5	3.3	NC
Cadmium	mg/kg	0.005	0.165	0.166	1%	0.228	0.19	18%	0.129	0.312	83%	0.0758	0.0796	5%
Calcium	mg/kg	20	3000	3220	7%	1960	2100	7%	1360	3720	93%	1080	1620	40%
Cesium	mg/kg	0.005	0.0609	0.0701	14%	0.0698	0.0644	8%	0.0568	0.0846	39%	0.0783	0.0499	44%
Chromium	mg/kg	0.05	1.45	0.75	64%	0.638	0.418	42%	1.2	0.845	35%	1.47	2.4	48%
Cobalt	mg/kg	0.02	0.259	0.294	13%	0.259	0.26	0%	0.474	1.36	97%	0.582	0.462	23%
Copper	mg/kg	0.1	10.6	7.92	29%	9.14	8.57	6%	7.65	7.86	3%	3.91	6.28	47%
Iron	mg/kg	3	739	683	8%	628	459	31%	1020	2070	68%	1460	1340	9%
Lead	mg/kg	0.02	9.11	4.59	66%	1.78	1.66	7%	16.7	0.769	182%	10.3	17	49%
Lithium	mg/kg	0.5	0.6	0.62	NC	<0.5	<0.5	NC	0.81	0.98	NC	1.24	0.8	NC
Magnesium	mg/kg	2	929	1020	9%	621	677	9%	831	1500	57%	731	948	26%
Manganese	mg/kg	0.05	112	145	26%	101	132	27%	114	892	155%	85.2	139	48%
Mercury	mg/kg	0.005	0.0246	0.0296	NC	0.0154	0.0177	NC	0.0291	0.0724	85%	0.0242	0.0329	NC
Molybdenum	mg/kg	0.02	0.15	0.114	27%	0.121	0.107	12%	0.208	0.101	69%	0.197	0.252	24%
Nickel	mg/kg	0.2	1.52	2.27	40%	1.16	1.14	2%	2.14	0.96	NC	1.97	2.02	3%
Phosphorus	mg/kg	10	737	799	8%	651	699	7%	502	978	64%	419	432	3%
Potassium	mg/kg	20	3030	3560	16%	3700	3160	16%	2420	2650	9%	1720	2150	22%
Rubidium	mg/kg	0.05	4.25	5.22	20%	9.82	8.5	14%	3.62	5.91	48%	3.08	3.06	1%
Selenium	mg/kg	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	0.101	NC	<0.05	<0.05	NC
Sodium	mg/kg	20	47	59	NC	55	50	NC	69	69	NC	40	77	NC
Strontium	mg/kg	0.05	13.3	14.4	8%	12.5	12.1	3%	8.4	14.2	51%	8.22	8.32	1%
Tellurium	mg/kg	0.02	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC
Thallium	mg/kg	0.002	0.006	0.0048	NC	0.0092	0.0143	NC	0.0118	0.0132	11%	0.0131	0.0102	25%
Tin	mg/kg	0.1	0.27	0.22	NC	0.17	0.12	NC	0.2	0.18	NC	0.21	0.19	NC
Uranium	mg/kg	0.002	0.0762	0.073	4%	0.0781	0.0712	9%	0.123	0.186	41%	0.139	0.102	31%
Vanadium	mg/kg	0.1	1.04	0.94	10%	0.77	0.6	25%	1.08	1.62	40%	1.68	1.17	36%
Zinc	mg/kg	0.5	461	428	7%	139	158	13%	954	50.2	180%	516	618	18%
Zirconium	mg/kg	0.2	0.79	0.59	NC	0.65	0.57	NC	0.71	0.97	NC	1.06	0.75	NC

Notes:

RDL	Reported Detection Limit - May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit

APPENDIX C

Species Sensitivity Distribution Data

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1. SPECIES SENSITIVITY DISTRIBUTIONS

1.1 SSD FOR IRON

Data from ECOTOX were used as the basis of the dataset, with additional data from a literature search. The British Columbia Ministry of the Environment Ambient Water Quality Guidelines for Iron (BCMOE 2008) was also reviewed for additional acceptable toxicity data. There have been questions in the literature raised about using studies from Birge due to low apparent effect thresholds, limited description of test methods, and effects that are sometimes below background. Despite this, the data for Birge et al. (1985) were considered for the iron SSD in order to meet the requirements of the CCME criteria for three fish species. The water flea data from Birge et al. (1985) were at the lower end of the curve and thus was also considered.

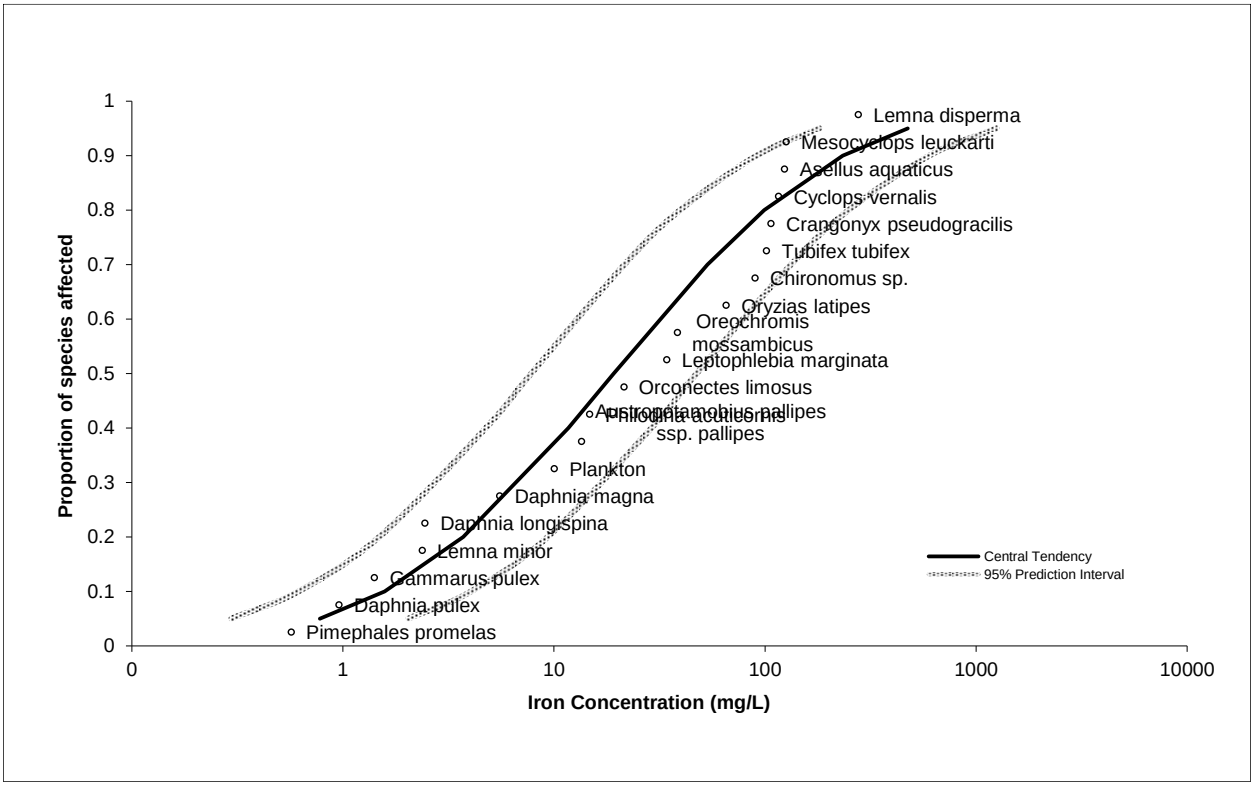
ATTACHMENT D.1 provides the complete dataset for iron. The aquatic toxicity data for iron were grouped by species (Table 1) and the 20 species were ranked. The SSD curve is presented in Figure 1. The SSD curve presented in Figure 1 was developed using the log-probit model used in the U.S. EPA (U.S. EPA 2010) SSD generator, as this was best fit for the data in the lower end of the curve. Additional parameters describing the curve can be found in Table 2.

Table 1: Summary of Data for Development of SSD for Aquatic Toxicity – Iron

Common Name	Test Species	Group	Concentration (mg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (mg/L)	Reference
1. Fathead Minnow	Pimephales promelas	Fish	0.57	21d - MATC	mortality	0.57	Birge et al. (1985)
2. Water Flea	Daphnia pulex	Crustacean	0.96	21d - MATC	growth	0.96	Birge et al. (1985)
			0.96	21d - MATC	reproduction		Birge et al. (1985)
			0.96	21d - MATC	reproduction		Birge et al. (1985)
3. Scud	Gammarus pulex	Crustacean	1.4	6d - MATC	feeding behavior	1.4	Maltby and Crane (1994)
4. Duckweed	Lemna minor	Plant	2.0	7d - EC10	population	2.4	Oros and Tudoran (2012)
			2.8	7d - EC10	population		Oros and Tudoran (2012)
5. Water Flea	Daphnia longispina	Crustacean	2.4	21d - MATC	mortality	2.4	Randall et al. (1999)
6. Water Flea	Daphnia magna	Crustacean	5.2	21d - EC50	reproduction	5.5	Biesinger and Christensen (1972)
			5.9	21d - EC50	intoxication		Biesinger and Christensen (1972)
7. Plankton	Plankton	Plankton	10.0	90d - LOEC	population	10.0	Mukhopadhyay and Konar (1982)
8. Crayfish	Austropotamobius pallipes ssp. pallipes	Crustacean	13.2	30d - LC50	mortality	13.5	Boutet and Chaisemartin (1973)
			13.9	30d - LC50	mortality		Boutet and Chaisemartin (1973)
9. Rotifer	Philodina acuticornis	Invertebrate	14.8	4d - EC50	intoxication	14.8	Buikema et al. (1977)
10. Crayfish	Orconectes limosus	Crustacean	21	30d - LC50	mortality	21	Boutet and Chaisemartin (1973)
			22	30d - LC50	mortality		Boutet and Chaisemartin (1973)
11. Mayfly	Leptophlebia marginata	Insect	23.5	42d - EC50	behavior	34	Gerhardt (1995)
			50.1	24d - EC50	feeding behavior		Gerhardt (1995)

Common Name	Test Species	Group	Concentration (mg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (mg/L)	Reference
12. Mozambique Tilapia	Oreochromis mossambicus	Fish	38	90d - MATC	growth, development, morphology, reproduction	38	Mukhopadhyay and Konar (1982)
13. Japanese Medaka	Oryzias latipes	Fish	66	7d - MATC	morphology	66	Chen et al. (2013)
14. Midge	Chironomus sp.	Insect	90	90d - MATC	population	90	Mukhopadhyay and Konar (1982)
15. Tubificid Worm	Tubifex tubifex	Worm	102	4d - EC50	intoxication	102	Khangarot (1991)
16. Amphipod	Crangonyx pseudogracilis	Crustacean	95	4d - EC50	intoxication	107	Martin and Holdich (1986)
			120	4d - EC50	intoxication		Martin and Holdich (1986)
17. Cyclopoid	Cyclops vernalis	Crustacean	116	4d - MATC	intoxication	116	Anderson et al. (1948)
18. Aquatic Sowbug	Asellus aquaticus	Crustacean	124	4d - EC50	intoxication	124	Martin and Holdich (1986)
19. Cyclopoid Copepod	Mesocyclops leuckarti	Crustacean	126	4d - MATC	intoxication	126	Anderson et al. (1948)
20. Duckweed	Lemna disperma	Plant	277	7d - EC50	population	277	Abdul et al. (2012)

Figure 1 Species Sensitive Distribution for the Protection of Aquatic Life – Iron



Note: SSD is based on log-probit distribution from the U.S. EPA (U.S. EPA 2010) SSD generator.

Table 2: SSD Curve Parameters – Iron

Parameters	
Slope	1.181
Intercept	3.485
R^2	0.935
GrandMean	1.283
SumSQ	45.512
CSSQ	12.585
MSE	0.068
Tcrit	1.734
N	20
df	18

Table 3 summarizes the concentrations that are protective of 80%, 90%, and 95% of the species, based on the central tendency and upper and lower prediction intervals of the SSD curve. The

specific species from the SSD potentially affected at each protection level for the central tendency are also summarized.

Table 3: Protection Levels Based on Species Sensitive Distribution – Iron

Protection Level	Concentration (mg/L)			Species Affected at Central Tendency
	Central Tendency	Lower Prediction Interval	Upper Prediction Interval	
95%	0.8	0.3	2.0	Pimephales promelas
90%	1.6	0.6	4.0	Pimephales promelas, Daphnia pulex, Gammarus pulex
80%	3.7	1.5	9.3	Pimephales promelas, Daphnia pulex, Gammarus pulex, Lemna minor, Daphnia longispina

1.1.1 Toxicity Modifying Factors

A modifying factor for iron toxicity is pH, which affects the solubility of iron and the ionic state and form for the iron. Iron can be essentially insoluble in some forms, while bioavailable and bioactive in other forms (BCMOE 2008). Generally, the toxicity tests summarized for the aquatic SSD were completed within a neutral range of pH. The pH of Pine Point Rail Bed surface water samples is slightly basic with a range of 8.1 to 8.4. As iron is more toxic at lower pH, the use of neutral pH toxicity data is conservative in nature.

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1.2 SSD FOR LEAD

Data from U.S. EPA ECOTOX (U.S. EPA 2017) were used as the basis of the dataset, with additional data from a literature search. Data presented in Deforest et al. (2017) from various studies was added to the lead dataset for aquatic toxicity, as was data from de Schamphelaere et al. (2014). Van Sprang et al. (2016) presented an approach for developing an SSD for lead, and compiled EC_{10} and NOEC data for lead; however, the data were either already considered in the lead dataset from the ECOTOX database or not relevant.

ATTACHMENT D.2 provides the complete dataset for lead. The aquatic toxicity data for lead were grouped by species (Table 1) and the 18 species were ranked. The SSD curve is presented in Figure 1. The SSD curve presented in Figure 2 was developed using the SSD Master V3 tool (CCME 2013) and the logistic model was identified as the best fit for the data, especially in the lower end of the curve. Additional parameters describing the curve can be found in Table 5.

Table 4: Summary of Data for Development of SSD for Aquatic Toxicity – Lead

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
1. Great pond snail	*Lymnaea stagnalis*	Aquatic invertebrate	1.5	14d - EC_{20}	growth and survival	6.7	Esbaugh et al. (2012)
			1.5	14d - EC_{20}	growth and survival		Esbaugh et al. (2012)
			2.1	14d - EC_{20}	growth and survival		Esbaugh et al. (2012)
			2.8	30d - EC_{20}	growth and survival		Parametrix (2007)
			3.5	16d - EC_{20}	growth and survival		Brix et al. (2012)
			4.3	14d - EC_{20}	growth and survival		Esbaugh et al. (2012)
			15.8	14d - EC_{20}	growth and survival		Esbaugh et al. (2012)
			32.4	14d - EC_{20}	growth and survival		Esbaugh et al. (2012)
			38.5	30d - EC_{20}	growth and survival		Parametrix (2007)
			49.5	14d - EC_{20}	growth and survival		Esbaugh et al. (2012)
2. Scud	*Hyalella azteca*	Aquatic invertebrate	2.8	35d - IC_{25}	reproduction, general	11.8	Besser et al. (2005b)
			2.8	42d - IC_{25}	reproduction, general		Besser et al. (2005b)
			8.2	42d - EC_{20}	reproduction and growth		Besser et al. (2016)
			23	28d - IC_{25}	length		Besser et al. (2005b)
			27	28d - IC_{25}	length		Besser et al. (2005b)
			28	42d - IC_{25}	length		Besser et al. (2005b)

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
			29	42d - IC_{25}	length		Besser et al. (2005b)
3. Fatmucket	*Lampsilis siliquoidea*	Aquatic invertebrate	16	28d - EC_{20}	growth and survival	16	Wang et al. (2010)
4. Marsh snail	*Lymnaea palustris*	Aquatic invertebrate	23	120d - EC_{20}	growth and survival	23	Borgmann et al. (1978)
5. Rotifer	*Philodina rapida*	Aquatic invertebrate	3.2	4d - EC_{20}	population	24	Esbaugh et al. (2012)
			13.4	4d - EC_{20}	population		Esbaugh et al. (2012)
			23.2	4d - EC_{20}	population		Esbaugh et al. (2012)
			39.8	4d - EC_{20}	population		Esbaugh et al. (2012)
			46.8	4d - EC_{20}	population		Esbaugh et al. (2012)
			103.3	4d - EC_{20}	population		Esbaugh et al. (2012)
6. White sturgeon	*Acipenser transmontanus*	Fish	27	53d - EC_{20}	growth	27	Wang et al. (2014)
7. Algae	*Raphidocelis subcapitata*	Algae/Plants	32	3d - EC_{10}	growth	38.2	de Schamphelaere et al. (2014)
			45.7	3d - EC_{20}	growth		de Schamphelaere et al. (2014)
8. Cladoceran	*Ceriodaphnia dubia*	Aquatic invertebrate	2.7	7d - EC_{20}	reproduction	41.4	Cooper et al. (2009)
			3.9	7d - EC_{20}	reproduction		Mager et al. (2011)
			5.1	7d - EC_{20}	reproduction		Mager et al. (2011)
			8.9	7d - EC_{20}	reproduction		AquaTox (2012)

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
			12	7d - EC_{20}	reproduction		Mager et al. (2011)
			12.1	7d - EC_{20}	reproduction		Esbaugh et al. (2012)
			16	7d - EC_{20}	reproduction		Mager et al. (2011)
			17	7d - EC_{20}	reproduction		Mager et al. (2011)
			19	7d - EC_{20}	reproduction		Mager et al. (2011)
			21	7d - EC_{20}	reproduction		Mager et al. (2011)
			21.4	7d - EC_{20}	reproduction		Parametrix (2010b)
			22	7d - EC_{20}	reproduction		Mager et al. (2011)
			22.6	7d - EC_{20}	reproduction		Esbaugh et al. (2012)
			23.0	6d - EC_{20}	reproduction		AquaTox (2012)
			25.5	7d - EC_{20}	reproduction		Parametrix (2010b)
			26	7d - EC_{20}	reproduction		Mager et al. (2011)
			26.7	7d - EC_{20}	reproduction		Parametrix (2010b)
			34.4	7d - EC_{20}	reproduction		Parametrix (2010b)
			35.4	7d - EC_{20}	reproduction		Esbaugh et al. (2012)
			40	7d - EC_{20}	reproduction		Mager et al. (2011)
			41.6	7d - EC_{20}	reproduction		Parametrix (2010b)
			45	7d - EC_{20}	reproduction		Mager et al. (2011)
			46	7d - EC_{20}	reproduction		Mager et al. (2011)

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
			52	7d - MATC	progeny counts		Spehar and Fiandt (1986)
			53	7d - EC_{20}	reproduction		Mager et al. (2011)
			53.1	6d - EC_{20}	reproduction		AquaTox (2012)
			64	7d - EC_{20}	reproduction		Nys et al. (2014)
			64.9	7d - EC_{20}	reproduction		Parametrix (2010b)
			67.5	7d - EC_{20}	reproduction		Parametrix (2010b)
			69	7d - EC_{20}	reproduction		Mager et al. (2011)
			71	7d - EC_{20}	reproduction		Mager et al. (2011)
			73	7d - EC_{20}	reproduction		Mager et al. (2011)
			79	7d - EC_{20}	reproduction		Nys et al. (2014)
			80	7d - EC_{20}	reproduction		Nys et al. (2014)
			81	7d - EC_{20}	reproduction		Nys et al. (2014)
			85	7d - EC_{20}	reproduction		Mager et al. (2011)
			90.1	7d - EC_{20}	reproduction		Parametrix (2010b)
			91	7d - EC_{20}	reproduction		Nys et al. (2014)
			96	7d - EC_{20}	reproduction		Mager et al. (2011)
			96.7	7d - EC_{20}	reproduction		Esbaugh et al. (2012)
			101	7d - EC_{20}	reproduction		Nys et al. (2014)
			112	7d - EC_{20}	reproduction		Nys et al. (2014)

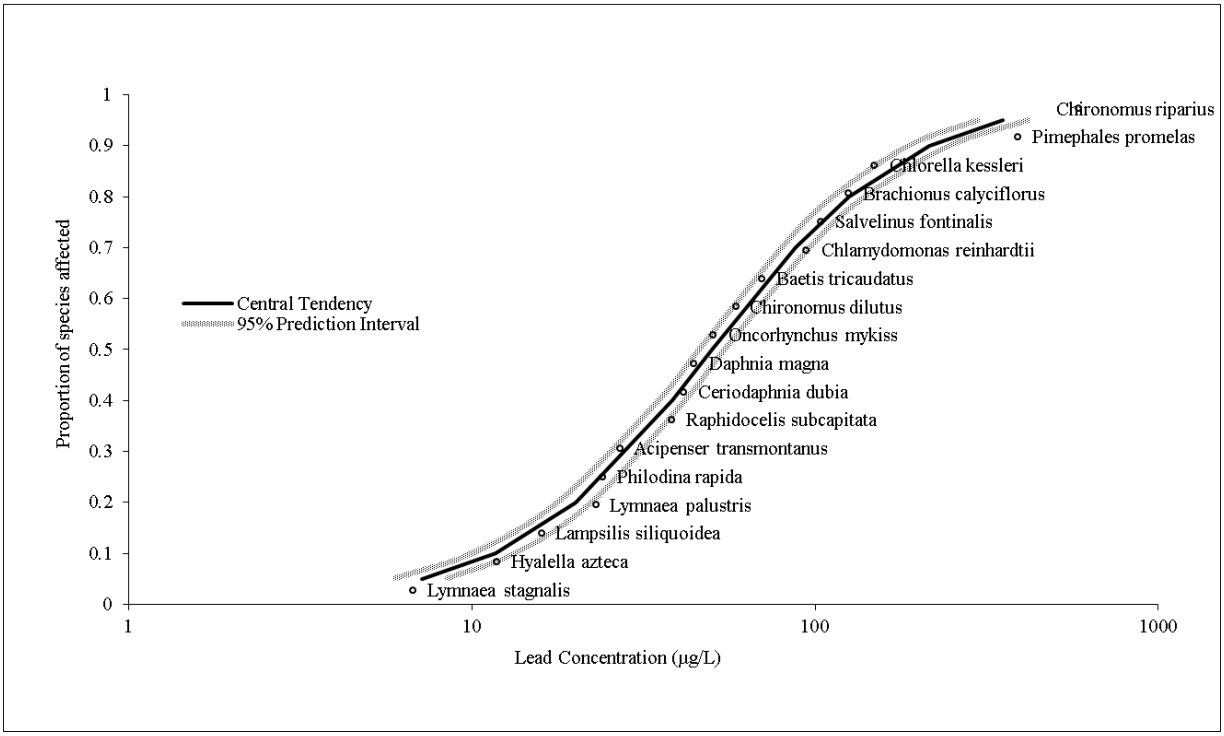
Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
			153	7d - EC_{20}	reproduction		Nys et al. (2014)
			176	7d - EC_{20}	reproduction		Mager et al. (2011)
			223.3	7d - EC_{20}	reproduction		Esbaugh et al. (2012)
			523	7d - EC_{20}	reproduction		Mager et al. (2011)
9. Cladoceran	*Daphnia magna*	Aquatic invertebrate	14.5	21d - EC_{20}	reproduction	44.3	Chapman et al. (1980)
			54.9	21d - EC_{20}	reproduction		Chapman et al. (1980)
			109	21d - EC_{20}	reproduction		Chapman et al. (1980)
10. Rainbow Trout	*Oncorhynchus mykiss*	Fish	7	62d - EC_{10}	weight gain	50.5	Mebane et al. (2008)
			12	62d - EC_{10}	length		Mebane et al. (2008)
			21.0	19month - EC_{20}	growth		Davies et al. (1976)
			26	69d - EC_{10}	survival		Mebane et al. (2008)
			39	69d - EC_{10}	weight		Mebane et al. (2008)
			55	69d - EC_{20}	weight		Mebane et al. (2008)
			62	69d - EC_{10}	survival		Mebane et al. (2008)
			64	69d - EC_{10}	length		Mebane et al. (2008)
			87	62d - EC_{10}	length		Mebane et al. (2008)
			87	62d - EC_{20}	weight gain		Mebane et al. (2008)
			87	62d - EC_{20}	length		Mebane et al. (2008)
			98	69d - EC_{20}	length		Mebane et al. (2008)

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
			102	62d - EC_{20}	growth and survival		Mebane (2008)
			108	62d - EC_{10}	survival		Mebane et al. (2008)
			126	52d - EC_{20}	growth and survival		Wang et al. (2014)
11. Midge	*Chironomus dilutus*	Aquatic invertebrate	15	20d - EC_{10}	weight	58.8	Mebane et al. (2008)
			28	55d - EC_{10}	emergence		Mebane et al. (2008)
			28	20d - EC_{20}	weight		Mebane et al. (2008)
			28	20d - EC_{20}	weight		Mebane et al. (2008)
			55	55d - EC_{20}	emergence		Mebane et al. (2008)
			87	20d - EC_{10}	weight		Mebane et al. (2008)
			152	20d - EC_{10}	fecundity		Mebane et al. (2008)
			152	20d - EC_{20}	fecundity		Mebane et al. (2008)
			230	27d - EC_{20}	growth and survival		Grosell et al. (2006)
12. Mayfly	*Baetis tricaudatus*	Aquatic invertebrate	37	10d - EC_{10}	molting	70	Mebane et al. (2008)
			37	10d - EC_{10}	molting		Mebane et al. (2008)
			66	10d - EC_{20}	molting		Mebane et al. (2008)
			66	10d - EC_{20}	molting		Mebane et al. (2008)
			66	10d - EC_{20}	growth		Mebane (2008)
			88	10d - EC_{10}	molting		Mebane et al. (2008)
			130	10d - MATC	molting		Mebane et al. (2008)
			130	10d - MATC	molting		Mebane et al. (2008)

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
13. Green algae	*Chlamydomonas reinhardtii*	Algae/Plants	82.3	2d - EC_{10}	growth	94	de Schamphelaere et al. (2014)
			108	2d - EC_{20}	growth		de Schamphelaere et al. (2014)
14. Brook trout	*Salvelinus fontinalis*	Fish	104	12wk - EC_{20}	growth	104	Holcombe et al. (1976)
15. Rotifer	*Brachionus calyciflorus*	Aquatic invertebrate	125	30d - EC_{20}	-	125	Grosell et al. (2006)
16. Green algae	*Chlorella kessleri*	Algae/Plants	120	2d - EC_{10}	growth	149	de Schamphelaere et al. (2014)
			185	2d - EC_{20}	growth		de Schamphelaere et al. (2014)
17. Fathead minnow	*Pimephales promelas*	Fish	110.7	32d - EC_{20}	growth and survival	389	Parametrix (2010c)
			120.9	7d - EC_{20}	growth and survival		Parametrix (2010c)
			134.6	7d - EC_{20}	growth and survival		Parametrix (2010c)
			169.3	7d - EC_{20}	growth and survival		Parametrix (2010d)
			248.5	7d - EC_{20}	growth and survival		Parametrix (2010d)
			254.6	7d - EC_{20}	growth and survival		Parametrix (2010d)
			975.1	7d - EC_{20}	growth and survival		Parametrix (2010d)
			1617	7d - EC_{20}	growth and survival		Parametrix (2010d)
			6716	7d - EC_{20}	growth and survival		Parametrix (2010d)

Common Name	Test Species	Group	Concentration (µg/L)	Toxicity Threshold	Endpoint Type	Species Mean Concentration (µg/L)	Reference
18. Midge	*Chironomus riparius*	Aquatic invertebrate	551	14d - EC_{20}	growth and survival	586	Nguyen et al. (2012)
			623	14d - EC_{20}	growth and survival		Nguyen et al. (2012)

Figure 2 Species Sensitive Distribution for the Protection of Aquatic Life – Lead



Note: SSD is based on logistic model from SSD Master V3 tool (CCME 2013).

Table 5: SSD Curve Parameters – Lead

Parameters	
µ	1.7
s	0.29
A^2	0.13
MSE	0.001
MSE (lower tail)	0.005
N	18

Table 6 summarizes the concentrations that are protective of 80%, 90%, and 95% of the species, based on the central tendency and upper and lower prediction intervals of the SSD curve.

Table 6: Protection Levels Based on Species Sensitive Distribution – Lead

Protection Level	Concentration (µg/L)			Species Affected at Central Tendency
	Central Tendency	Lower Prediction Interval	Upper Prediction Interval	
95%	7	6	9	*Lymnaea stagnalis*
90%	12	10	14	*Lymnaea stagnalis, Hyalella azteca*
80%	20	18	22	*Lymnaea stagnalis, Hyalella azteca, Lampsilis siliquoidea*

1.2.1 Toxicity Modifying Factors

There is evidence to suggest that physico-chemical parameters such as hardness, DOC, and alkalinity decrease the chronic toxicity of lead on aquatic organisms (ECHA 2008). Generally, jurisdictions have accounted for hardness when developing water quality guidelines and criteria. However, recently van Sprang et al. (2016) and others considered pH, alkalinity, and DOC, as well as hardness to normalize the aquatic toxicity data for lead. While there is evidence of toxicity modifying factors for lead, due to the evolving science, these have not been incorporated in the lead SSD at this time.

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ATTACHMENT C.1
Iron SSD Data

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Growth	Length	Whole organism	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Genetics	Vitellogenin mRNA	Whole organism	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Time to first progeny	Not reported	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Viability	Not reported	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	2	Day(s)	LOEC	Physiology	Glomerular filtration rate	Not reported	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	56	Day(s)	LOEC	Growth	Weight	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	42	Day(s)	LOEC	Growth	Weight	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	3	9	Day(s)	LOEC	Histology	Proliferation	Gill(s)	Formulation	500	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	3	9	Day(s)	LOEC	Histology	Proliferation	Gill(s)	Formulation	500	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Physiology	Excretion rate	Urine	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	2	3	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	2	4	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	2	2	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	2	1	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Hormone(s)	Cortisol	Plasma	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Biochemistry	Protein content	Gill(s)	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	2	Day(s)	NOEC	Physiology	Excretion rate	Urine	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	2	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Enzyme(s)	Adenosine triphosphatase activity	Gill(s)	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Physiology	Glomerular filtration rate	Not reported	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Biochemistry	Sodium content	Plasma	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Mortality	Mortality	Not reported	Formulation	100	AI mg/kg bdwt	Shaw,J.R., K. Gabor, E. Hand, A. Lankowski, L. Durant, R. Thibodeau, C.R. Stanton, R. Barnaby, B. Coutermarsh, K.H. Kar	101073	Role of Glucocorticoid Receptor in Acclimation of Killifish (Fundulus heteroclitus) to Seawater and Effects of Arsenic	Am. J. Physiol., Regul. Integr. Comp. Physiol.292(2): R1052 - R1060	2007	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Physiology	Excretion rate	Urine	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Physiology	Glomerular filtration rate	Not reported	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Biochemistry	Chlorine concentration	Plasma	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Genetics	Na+ K+ 2Cl- Cotransporter mRNA	Gill(s)	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Genetics	Cystic Fibrosis Transmembrane Conductance Regulator mRNA	Gill(s)	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Genetics	Na+ K+ ATPase mRNA	Gill(s)	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Adult	Intraperitoneal	Not reported	Salt water	Lab	5	9	Day(s)	NOEC	Genetics	Glucocorticoid receptor mRNA	Gill(s)	Formulation	1000	AI mg/kg bdwt	Scott,G.R., K.R. Keir, and P.M. Schulte	155826	Effects of Spironolactone and RU486 on Gene Expression and Cell Proliferation After Freshwater Transfer in the Euryhaline Killifish	J. Comp. Physiol. B Metab. Transp. Funct.175(7): 499-510	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	65	Day(s)	NOEC	Growth	Specific growth rate	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	65	Day(s)	NOEC	Growth	Weight	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	65	Day(s)	NOEC	Mortality	Survival	Not reported	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	42	Day(s)	NOEC	Growth	Specific growth rate	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	14	Day(s)	NOEC	Growth	Weight	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	42	Day(s)	NOEC	Mortality	Survival	Not reported	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	28	Day(s)	NOEC	Growth	Weight	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	42	Day(s)	NOEC	Growth	Weight	Whole organism	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	65	Day(s)	NR	Population	Sex ratio	Not reported	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	NR	Day(s)	NR	Physiology	Physiology, general	Not reported	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	3	Day(s)	NR	Growth	Weight	Whole organism	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Oreochromis niloticus	Nile Tilapia	Fish	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	2	42	Day(s)	NR	Population	Sex ratio	Not reported	Formulation	500	AI mg/kg food	Rodriguez Montes De Oca,G.A.	155189	Evaluation of Dietary Phytochemicals on Sex Differentiation and Growth in Nile Tilapia (Oreochromis niloticus)	Ph.D. Thesis, The Ohio State University, Columbus, OH:158 p.	2005	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Squalus acanthias	Spiny Dogfish	Fish	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Salt water	Lab	2	NR	Day(s)	NR	Biochemistry	Sodium Potassium ratio	Urine	Formulation	25	mg	Churchill,P.C., R.L. Malvin, and M.C. Churchill	155995	Lack of Renal Effects of DOCA, ACTH, Spironolactone, and Angiotensin II in Squalus acanthias	J. Exp. Zool.234(1): 17-22	1985	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Mean spawns per female	Not reported	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Biochemistry	Vitellogenin	Plasma	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Hormone(s)	Testosterone	Plasma	Active ingredient	0.0005	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Hormone(s)	17-beta Estradiol	Plasma	Active ingredient	0.0005	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Morphology	Structural changes	Tubercles	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Genetics	Vitellogenin mRNA	Liver	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Growth	Weight	Whole organism	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Morphology	Structural changes	Fin	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Mean spawns per female	Not reported	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Hormone(s)	Testosterone	Plasma	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Growth	Weight	Whole organism	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Growth	Weight	Whole organism	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Structural changes	Fin	Active ingredient	0.0006	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Fertility	Not reported	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Mean spawns per female	Not reported	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Structural changes	Fin	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Growth	Weight	Whole organism	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Biochemistry	Vitellogenin	Plasma	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Growth	Weight	Whole organism	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Structural changes	Tubercles	Active ingredient	0.0005	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Genetics	Vitellogenin mRNA	Liver	Active ingredient	0.0005	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Hormone(s)	17-beta Estradiol	Plasma	Active ingredient	0.00004	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Fertility	Not reported	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Mean spawns per female	Not reported	Active ingredient	0.0005	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Hormone(s)	17-beta Estradiol	Plasma	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Structural changes	Tubercles	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Biochemistry	Vitellogenin	Plasma	Active ingredient	0.0005	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Growth	Weight	Whole organism	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Hormone(s)	Testosterone	Plasma	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.0026	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Hormone(s)	Testosterone	Plasma	Active ingredient	0.00004	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Growth	Weight	Whole organism	Active ingredient	0.0033	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Active ingredient	0.044	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Active ingredient	0.048	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR	Histology	Histological changes, general	Multiple sites	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR	Accumulation	Residue	Tissue	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR	Genetics	Vitellogenin mRNA	Liver	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	>97	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Month(s)	Adult	Flow-through	Measured	Fresh water	Lab	5	21	Day(s)	NR	Reproduction	Reproduction, general	Not reported	Active ingredient	NR	AI mg/L	LaLone,C.A., D.L. Villeneuve, J.E. Cavallin, M.D. Kahl, E.J. Durhan, E.A. Makynen, K.M. Jensen, K.E. Stevens,	170647	Cross-Species Sensitivity to a Novel Androgen Receptor Agonist of Potential Environmental Concern, Spironolactone	Environ. Toxicol. Chem.32(11): 2528-2541	2013	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	7	Day(s)	LOEL	Morphology	Length	Fin	Formulation	0.0042	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	21	Day(s)	LOEL	Morphology	Length	Fin	Formulation	0.0042	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	14	Day(s)	LOEL	Morphology	Length	Fin	Formulation	0.0042	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	28	Day(s)	LOEL	Morphology	Length	Fin	Formulation	0.0042	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	LOEL	Genetics	Vitellogenin mRNA	Liver	Formulation	0.1041	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	LOEL	Growth	Weight	Whole organism	Formulation	0.2083	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	LOEL	Morphology	Length	Fin	Formulation	0.0042	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	NOEL	Growth	Weight	Whole organism	Formulation	0.1041	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	NOEL	Growth	Length	Whole organism	Formulation	0.2083	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	NOEL	Growth	Condition index	Whole organism	Formulation	0.2083	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
52017	(7alpha,17alpha)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, gamma-Lactone	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Renewal	Unmeasured	Fresh water	Lab	5	35	Day(s)	NOEL	Genetics	Vitellogenin mRNA	Liver	Formulation	0.0417	AI mg/L	Raut,S.A., W.M. Howell, and R.A. Angus	153687	Endocrine-Disrupting Effects of Spironolactone in Female Western Mosquitofish, Gambusia affinis	Environ. Toxicol. Chem.30(6): 1376-1382	2011	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Analytical or HPLC Grade	NR	Chlorella sorokiniana	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient	108.160884	AI mg/L	Thies,F., and L.H. Grimme	79140	Effects of Cytochrome P450-Interacting Plant Growth Retardants, Fungicides and Related Compounds on Cell Development and Phase-I Biotransformation Capacity of	Pestic. Sci.47(4): 337-346	1996	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Analytical or HPLC Grade	NR	Chlorella fusca var. vacuolata	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient	10.861344	AI mg/L	Thies,F., and L.H. Grimme	79140	Effects of Cytochrome P450-Interacting Plant Growth Retardants, Fungicides and Related Compounds on Cell Development and Phase-I Biotransformation Capacity of	Pestic. Sci.47(4): 337-346	1996	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Analytical or HPLC Grade	NR	Chlorella sorokiniana	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Population	Abundance	Not reported	Active ingredient	121.737564	AI mg/L	Thies,F., and L.H. Grimme	79140	Effects of Cytochrome P450-Interacting Plant Growth Retardants, Fungicides and Related Compounds on Cell Development and Phase-I Biotransformation Capacity of	Pestic. Sci.47(4): 337-346	1996	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Analytical or HPLC Grade	NR	Chlorella fusca var. vacuolata	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Population	Abundance	Not reported	Active ingredient	60.189948	AI mg/L	Thies,F., and L.H. Grimme	79140	Effects of Cytochrome P450-Interacting Plant Growth Retardants, Fungicides and Related Compounds on Cell Development and Phase-I Biotransformation Capacity of	Pestic. Sci.47(4): 337-346	1996	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Analytical or HPLC Grade	NR	Chlorella fusca var. vacuolata	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.0417	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Active ingredient	NR	AI mg/L	Thies,F., and L.H. Grimme	79140	Effects of Cytochrome P450-Interacting Plant Growth Retardants, Fungicides and Related Compounds on Cell Development and Phase-I Biotransformation Capacity of	Pestic. Sci.47(4): 337-346	1996	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Analytical or HPLC Grade	NR	Chlorella sorokiniana	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.0417	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Active ingredient	NR	AI mg/L	Thies,F., and L.H. Grimme	79140	Effects of Cytochrome P450-Interacting Plant Growth Retardants, Fungicides and Related Compounds on Cell Development and Phase-I Biotransformation Capacity of	Pestic. Sci.47(4): 337-346	1996	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Formulation	50	AI mg/kg bdwt	Bennett,R.O., and R.C. Rhodes III	11715	Evaluation of Oral Administration of Cortisol and Metyrapone: The Effects on Serum Cortisol in Rainbow Trout (Salmo gairdneri)	Comp. Biochem. Physiol. A Comp. Physiol.83(4): 727-730	1986	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Hormone(s)	Cortisol	Serum	Formulation	NR	AI mg/kg bdwt	Bennett,R.O., and R.C. Rhodes III	11715	Evaluation of Oral Administration of Cortisol and Metyrapone: The Effects on Serum Cortisol in Rainbow Trout (Salmo gairdneri)	Comp. Biochem. Physiol. A Comp. Physiol.83(4): 727-730	1986	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	LOEC	Reproduction	Ovulation rate	Not reported	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	LOEC	Morphology	Diameter	Pituitary gland	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	LOEC	Morphology	Diameter	Kidney	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	LOEC	Cell(s)	Nuclei	Kidney	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NOEC	Cell(s)	Nuclei	Kidney	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NOEC	Morphology	Diameter	Kidney	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NOEC	Reproduction	Ovulation rate	Not reported	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NOEC	Morphology	Diameter	Gonad(s)	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NR	Morphology	Organ weight in relationship to body weight	Gonad(s)	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NR	Histology	Histological changes, general	Gonad(s)	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical
54364	2-Methyl-1,2-di-3-pyridinyl-1-propanone	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Intraperitoneal	Unmeasured	Fresh water	Lab	3	<=10	Day(s)	NR	Reproduction	Ovulation rate	Not reported	Formulation	200	AI mg/kg bdwt	Pandey,S., T.J. Lam, Y. Nagahama, and W.S. Hoar	155066	Effects of Dexamethasone and Metopirone on Ovulation in the Goldfish, Carassius auratus	Can. J. Zool.55(8): 1342-1350	1977	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Dose and Duration (Days)	Observed Duration Units (Days)	Endpoints	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
14484-64-1	2,5-Dihydroxy-1,3-benzenedisulfonic acid, disodium salt	Not reported	NR	Hirsiana palmorpha	Zebra Mussel	Mollusks; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1 Day(s)		NR	Behavior	Ability to detach from substrate	Not reported	Formulation	NR	ai mg/L	Cope,W.G., M.R. Bartsch, and L.L. Marking	10147	Efficacy of Candidate Chemicals for Preventing Attachment of Zebra Mussels to Selected Substrates	Environ. Toxicol. Chem.16(9): 1930-1936	1997	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus subspicatus	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Not reported	NR	7 Day(s)		EC50	Histology	Proliferation	Not reported	Formulation	0.056	ai mg/L	Triniel J., and R. Kuhr	9829	Wachstumshemmtest mit Scenedesmus subspicatus zur Bestimmung von Herbizidwirkungen im Gewässer	Bewertung Wassergefährdender Stoffe in Hinblick auf Lagerung, Umschlag und Transport	1982	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chara globularis	Stonewort	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1 Day(s)		EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.102	ai mg/L	Snel,J.F.H., J.H. Vos, R. Dybkla, and T.C.M. Brock	7218	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Freshwater Linuron on Freshwater Plants	Aquat. Toxicol.32(2): 113-123	1995	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Spirogyra sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	5 Day(s)		EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.011	ai mg/L	Snel,J.F.H., J.H. Vos, R. Dybkla, and T.C.M. Brock	7218	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Freshwater Linuron on Freshwater Plants	Aquat. Toxicol.32(2): 113-123	1995	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade		50% Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	0.166 Day(s)		EC50	Physiology	Photosynthesis	Not reported	Active ingredient		2.5 ai mg/L	Girman,G.R.	13595	The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally-Occurring Algal and Bacterial Communities in Delta March, Manitoba	M.S.Thesis, University of Manitoba, Canada.179 p.	1977	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade		50% Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	0.166 Day(s)		EC50	Physiology	Photosynthesis	Not reported	Active ingredient		1.25 ai mg/L	Girman,G.R.	13595	The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally-Occurring Algal and Bacterial Communities in Delta March, Manitoba	M.S.Thesis, University of Manitoba, Canada.179 p.	1977	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade		50% Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	0.166 Day(s)		EC50	Physiology	Assimilation efficiency	Not reported	Active ingredient	>250	ai mg/L	Girman,G.R.	13595	The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally-Occurring Algal and Bacterial Communities in Delta March, Manitoba	M.S.Thesis, University of Manitoba, Canada.179 p.	1977	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Spirogyra sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	5 Day(s)		EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.035	ai mg/L	Snel,J.F.H., J.H. Vos, R. Dybkla, and T.C.M. Brock	7218	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Freshwater Linuron on Freshwater Plants	Aquat. Toxicol.32(2): 113-123	1995	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Haematococcus lacustris	Green Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient	60	ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Hormidium sp.	Green Algae	Algae	NR	7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient	NR	ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Synechococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.004	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chroococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.004	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Hormidium fluckiium	Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient		ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Synechocystis sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.754	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Trichococcus bacillaris	Green Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient	NR	ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Microcystis sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.363	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Westiellopsis salina	Green Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient	NR	ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Microcystis sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.114	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade		50% Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	0.166 Day(s)		EC50	Physiology	Photosynthesis	Not reported	Active ingredient	2.42	ai mg/L	Girman,G.R.	13595	The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally-Occurring Algal and Bacterial Communities in Delta March, Manitoba	M.S.Thesis, University of Manitoba, Canada.179 p.	1977	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Synechocystis sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.098	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Chlamydomonas agloeformis	Green Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient		ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Chlorella fusca var. vacuolata	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3 Day(s)		EC50	Population	Population growth rate	Not reported	Active ingredient	0.021648	ai mg/L	Junghans,M., T. Backhaus, M. Faust, M. Scholze, and L.H. Grimme	16205	Application and Validation of Approaches for the Predictive Hazard Assessment of Realistic Pesticide	Aquat. Toxicol.76(2): 93-110	2006	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Microcystis sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.399	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Chlamydomonas terricola	Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient		ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chroococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.153	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chroococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.664	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade		50% Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	0.166 Day(s)		EC50	Physiology	Photosynthesis	Not reported	Active ingredient	>0.035	ai mg/L	Girman,G.R.	13595	The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally-Occurring Algal and Bacterial Communities in Delta March, Manitoba	M.S.Thesis, University of Manitoba, Canada.179 p.	1977	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade		50% Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	0.166 Day(s)		EC50	Physiology	Assimilation efficiency	Not reported	Active ingredient	NR	ai mg/L	Girman,G.R.	13595	The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally-Occurring Algal and Bacterial Communities in Delta March, Manitoba	M.S.Thesis, University of Manitoba, Canada.179 p.	1977	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Synechococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4 Day(s)		EC50	Population	Abundance	Not reported	Formulation	0.004	ai mg/L	Ashin,B., and S. Ozturk	13150	Toxicity of Herbicides to Cyanobacteria Isolates	Environ. Pollut.90(3): 385-388	2000	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chara globularis	Stonewort	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1 Day(s)		EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.011	ai mg/L	Snel,J.F.H., J.H. Vos, R. Dybkla, and T.C.M. Brock	7218	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Freshwater Linuron on Freshwater Plants	Aquat. Toxicol.32(2): 113-123	1995	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Synechococcus elongatus	Blue-Green Algae	Algae		7 Day(s)	Not reported	Static	Unmeasured	Culture	Lab	12	345	Day(s)	EC50	Population	Population growth rate	Not reported	Active ingredient		ai mg/L	Cullinane,D.R.	487	Prior In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:491-496	1975	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chara globularis	Stonewort	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1 Day(s)		EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.151	ai mg/L	Snel,J.F.H., J.H. Vos, R. Dybkla, and T.C.M. Brock	7218	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Freshwater Linuron on Freshwater Plants	Aquat. Toxicol.32(2): 113-123	1995	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Spirogyra sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	5 Day(s)		EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.098	ai mg/L	Snel,J.F.H., J.H. Vos, R. Dybkla, and T.C.M. Brock	7218	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Freshwater Linuron on Freshwater Plants	Aquat. Toxicol.32(2): 113-123	1995	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3 Day(s)		EC50	Population	Chlorophyll	Not reported	Active ingredient	0.14	ai mg/L	Kirby,R.A., and G.F. Warren	9855	A Rapid Bioassay for Photosynthesis and Respiratory Inhibitors	Weed Sci.19(6): 658-661	1971	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3 Day(s)		EC50	Population	Chlorophyll	Not reported	Active ingredient	14.05	ug/L	Kirby,R.A., and G.F. Warren	855	The Use of Three Simple, Rapid Bioassays for Pesticide Monitoring Using Nor-Flurazon and Norflurazon-Resistant Mutants of Chlorella Pyrenoidosa	Weed Res.11:297-312	1971	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3 Day(s)		EC50	Population	Chlorophyll	Not reported	Active ingredient	14.05	ug/L	Kirby,R.A., and G.F. Warren	855	The Use of Three Simple, Rapid Bioassays for Pesticide Monitoring Using Nor-Flurazon and Norflurazon-Resistant Mutants of Chlorella Pyrenoidosa	Weed Res.11:297-312	1971	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dictyosphaerium chlorelloides	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.958 Day(s)		EC50	Physiology	Photosynthesis	Not reported	Active ingredient	0.004	ai mg/L	Pérez-Vázquez,F.J., R. Moreno, C. Pérez-Conde, M.C. Moreno-Bondi, and E. Cid	11558	Effect of Herbicides on Photosynthetic Activity of Microalgae Filter-Dyes Biosensors for Herbicide Monitoring Using Nor-Dot Cycles	Enzyme. Microbiol.Tech.24(12): 8588-9343	2004	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.208 Day(s)		EC50	Population	Respiration	Not reported	Active ingredient	0.14	ai mg/L	Kirby,R.A., and G.F. Warren	855	A Rapid Bioassay for Photosynthesis and Respiratory Inhibitors	Weed Sci.19(6): 658-661	1971	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas moewusii	Green Algae	Algae		1 Week(s)	Not reported	Static	Unmeasured	Fresh water	Lab	10	7 Day(s)		EC50	Population	Population growth rate	Not reported	Active ingredient	0.667853	ai mg/L	Cain,J.R., and R.K. Cain	6120	The Effects of Selected Herbicides on Zygospore Germination and Growth of Chlamydomonas moewusii	Chlorophyceae. Volocales)	1981	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3 Day(s)		EC50	Population	Chlorophyll	Not reported	Active ingredient	14.05	ug/L	Kirby,R.A., and G.F. Warren	855	The Use of Three Simple, Rapid Bioassays for Pesticide Monitoring Using Nor-Flurazon and Norflurazon-Resistant Mutants of Chlorella Pyrenoidosa	Weed Res.11:297-312	1971	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Mesocapniahum sp.	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	5	4 Day(s)		LOEC	Population	Abundance	Not reported	Active ingredient	0.05	ai mg/L	Staen,M.A., & M.Y. Rodrigues, P.J. Van den Brink, and A.L.A. Nogueira	11758	Ecological Effects of the Herbicide Diuron in Tropical Freshwater Ecosystems	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum tetras	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	4 Day(s)		LOEC	Population	Abundance	Not reported	Active ingredient	0.05	ai mg/L	Staen,M.A., & M.Y. Rodrigues, P.J. Van den Brink, and A.L.A. Nogueira	11758	Ecological Effects of the Herbicide Diuron in Tropical Freshwater Ecosystems	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drug; chemical
59301-75-1	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus bicaudatus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	4 Day(s)		LOEC	Population	Abundance	Not reported	Active ingredient	0.05	ai mg/L	Staen,M.A., & M.Y. Rodrigues, P.J. Van den Brink, and A.L.A. Nogueira	11758	Ecological Effects of the Herbicide Diuron in Tropical Freshwater Ecosystems	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drug; chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chamaesiphon sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	13	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tetraedron sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.1466	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.1466	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.005	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Phormidium foveolarum	Blue-Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus aristatus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	14	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gomphonema sp.	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	13	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	LOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	LOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	14	Day(s)	LOEL	Population	Biomass	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	97	Anabaena torulosa	Cyanobacteria	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	20	Day(s)	LOEL	Population	Abundance	Not reported	Active ingredient	0.02	AI mg/L	Slijkerman,D.M.E., M. Moreira-Santos, R.G. Jak, R. Ribeiro, A.M.V.M. Soares, and N.M. Van Straalen	95475	Functional and Structural Impact of Linuron on a Freshwater Community of Primary Producers: The Use of Immobilized Algae	Environ. Toxicol. Chem.24(10): 2477-2485	2005	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	LOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	LOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.0005	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elakatothrix gelatinosa	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oocystis pusilla	Green Alga	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chilomonas paramecium	Cryptomonad	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Surirella tenera	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Phormidium foveolarum	Blue-Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyclotella sp.	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	47	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Closterium sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cosmarium sp.	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Bacillariophyta	Diatom Division	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	54	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oscillatoria tenuis	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gomphonema sp.	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	13	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.15	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum tetras	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tetraedron minimum	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Monoraphidium sp.	Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Monoraphidium sp.	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chroomonas sp.	Cryptomonad	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.0005	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Coleochaete sp.	Green Algae	Algae	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	154	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chroomonas sp.	Cryptomonad	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cryptomonas pyrenoidifera	Cryptomonad	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	35	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum simplex	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus tropicus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	14	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Merismopedia tenuissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus dimorphus	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aphanocapsa sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	50	Chlamydomonas moewusii	Green Algae	Algae	1	Week(s)	Not reported	Static	Unmeasured	Fresh water	Lab	13	7	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.2490966	AI mg/L	Cain,J.R., and R.K. Cain	61203	The Effects of Selected Herbicides on Zygospore Germination and Growth of Chlamydomonas moewusii (Chlorophyceae, Volvocales)	J. Phycol.19:301-305	1983	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum duplex	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Phormidium foveolarum	Blue-Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	50	Chlamydomonas moewusii	Green Algae	Algae	1	Week(s)	Not reported	Static	Unmeasured	Fresh water	Lab	13	7	Day(s)	NOEC	Mortality	Mortality	Not reported	Active ingredient	4.981932	AI mg/L	Cain,J.R., and R.K. Cain	61203	The Effects of Selected Herbicides on Zygospore Germination and Growth of Chlamydomonas moewusii (Chlorophyceae, Volvocales)	J. Phycol.19:301-305	1983	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Coelastrum reticulatum	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ankistrodesmus nannoselene	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.015	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus dispar	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	35	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	<0.01	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus bicaudatus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nitzschia palea	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus aristatus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	14	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Coelastrum cambricum	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tetraedron caudatum	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	50	Chlamydomonas moewusii	Green Algae	Algae	NR	Not reported	Zygospore	Static	Unmeasured	Fresh water	Lab	4	3	Day(s)	NOEC	Reproduction	Germination	Not reported	Active ingredient	7.472898	AI mg/L	Cain,J.R., and R.K. Cain	61203	The Effects of Selected Herbicides on Zygospore Germination and Growth of Chlamydomonas moewusii (Chlorophyceae, Volvocales)	J. Phycol.19:301-305	1983	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Coelosphaerium sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus maximus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	14	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.015	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	<0.01	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chroomonas sp.	Cryptomonad	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	>0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.0005	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oocystis lacustris	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus denticulatus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Chlorella fusca var. vacuolata	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NOEC	Population	Population growth rate	Not reported	Active ingredient	0.000333789	AI mg/L	Junghans,M., T. Backhaus, M. Faust, M. Scholze, and L.H. Grimme	163051	Application and Validation of Approaches for the Predictive Hazard Assessment of Realistic Pesticide	Aquat. Toxicol.76(2): 93-110	2006	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyanophycota	Blue-Green Algae Phylum	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	54	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Navicula sp.	Diatom	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ankistrodesmus falcatus	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum tetras	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.0147	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus bicaudatus	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	14	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Phormidium foveolarum	Blue-Green Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorophyta	Green Algae Division	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	54	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Botryococcus braunii	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Merismopedia tenuissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	43	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tetraedron sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chamaesiphon sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	13	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nitzschia palea	Diatom	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oscillatoria tenuis	Blue-Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pediastrum sp.	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.015	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cocconeis sp.	Diatom	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	14	Day(s)	NOEL	Population	Biomass	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	154	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pithophora sp.	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	728	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Haematococcus lacustris	Green Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	2000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Algae	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	49	Day(s)	NR	Population	Diversity, Evenness	Not reported	Active ingredient	1	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313-326	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	100	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Physiology	Nitrogen fixation	Not reported	Active ingredient	NR	AI mg/L	Holst,R.W., J.H. Yopp, and G. Kapusta	70299	Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis	Weed Sci.30(1): 54-58	1982	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Haematococcus lacustris	Green Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Phormidium sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Cell(s)	Cell changes	Not reported	Formulation	6	ug	Noll,M., and U. Bauer	13030	Phormidium autumnale as Indicator Organism for Algicidal Substances in	U.S.EPA-OPP Registration Standard:	1974	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	2000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	>200	kg/ha	Venkataraman,G.S., and B. Rajyalakshmi	9444	Tolerance of Blue-Green Algae to Pesticides	Curr. Sci. (Bangalore)40(6): 143-144	1971	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	100	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Enzyme(s)	Nitrate reductase	Not reported	Active ingredient	NR	AI mg/L	Holst,R.W., J.H. Yopp, and G. Kapusta	70299	Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis	Weed Sci.30(1): 54-58	1982	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	100	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Holst,R.W., J.H. Yopp, and G. Kapusta	70299	Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis	Weed Sci.30(1): 54-58	1982	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	2000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	2000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	98	Nostoc muscorum	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	7	Day(s)	NR	Population	Population changes, general	Not reported	Active ingredient	NR	AI mg/L	Abou-Waly,H., and E.F. Shabana	6958	Recovery of Nostoc muscorum Previously Exposed to Some Triazine and Phenylurea Herbicides	Bull. Environ. Contam. Toxicol.50(5): 665-673	1993	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	500	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Chlorella ellipsoidea	Green Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tolypothrix tenuis	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	2000	kg/ha	Venkataraman,G.S., and B. Rajyalakshmi	9444	Tolerance of Blue-Green Algae to Pesticides	Curr. Sci. (Bangalore)40(6): 143-144	1971	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Scenedesmus quadricauda	Green Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tolypothrix tenuis	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aulosira fertilissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	<2	kg/ha	Venkataraman,G.S., and B. Rajyalakshmi	9444	Tolerance of Blue-Green Algae to Pesticides	Curr. Sci. (Bangalore)40(6): 143-144	1971	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anacystis nidulans	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	5	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	10	Day(s)	NR	Population	Population growth rate	Not reported	Formulation	NR	AI mg/L	Burrell,R.E., and C.T. Corke	4958	The Effect of Ethanol on Fungicide and Herbicide Toxicity Assays with Selected Terrestrial and Aquatic Microorganisms	Can. Tech. Rep. Fish. Aquat. Sci.1151:35-44	1983	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Algae	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	49	Day(s)	NR	Population	Biomass	Not reported	Active ingredient	1	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313-326	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	<2	Day(s)	NR	Population	Population growth rate	Not reported	Formulation	NR	AI mg/L	Thomas,V.M.,Jr., L.J. Buckley, J.D.,Jr. Sullivan, and M. Ikawa	67240	Effect of Herbicides on the Growth of Chlorella and Bacillus Using the Paper Disc Method	Weed Sci.21(5): 449-451	1973	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	5	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	5	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	100	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	10	Day(s)	NR	Population	Chlorophyll	Not reported	Active ingredient	0.1	AI mg/L	Holst,R.W., J.H. Yopp, and G. Kapusta	70299	Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis	Weed Sci.30(1): 54-58	1982	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Hormidium flaccidum	Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Chlorella pyrenoidosa	Green Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	100	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Holst,R.W., J.H. Yopp, and G. Kapusta	70299	Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis	Weed Sci.30(1): 54-58	1982	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anacystis nidulans	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	10	kg/ha	Venkataraman,G.S., and B. Rajyalakshmi	9444	Tolerance of Blue-Green Algae to Pesticides	Curr. Sci. (Bangalore)40(6): 143-144	1971	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas sp.	Green Algae	Algae	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	NR	Day(s)	NR	Biochemistry	Chlorophyll A concentration	Not reported	Active ingredient	NR	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	>200	kg/ha	Venkataraman,G.S., and B. Rajyalakshmi	9444	Tolerance of Blue-Green Algae to Pesticides	Curr. Sci. (Bangalore)40(6): 143-144	1971	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	100	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	10	Day(s)	NR	Population	Chlorophyll	Not reported	Active ingredient	1	AI mg/L	Holst,R.W., J.H. Yopp, and G. Kapusta	70299	Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis	Weed Sci.30(1): 54-58	1982	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena variabilis	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1000	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	10	Day(s)	NR	Population	Population growth rate	Not reported	Formulation	NR	AI mg/L	Burrell,R.E., and C.T. Corke	4958	The Effect of Ethanol on Fungicide and Herbicide Toxicity Assays with Selected Terrestrial and Aquatic Microorganisms	Can. Tech. Rep. Fish. Aquat. Sci.1151:35-44	1983	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc fritschii	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	500	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Algae	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	NR	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Active ingredient	1	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313-326	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chara globularis	Stonewort	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	>1	Day(s)	NR	Accumulation	Residue	Whole organism	Active ingredient	NR	AI mg/L	Crum,S.J.H., A.M.M. Van Kammen-Polman, and M. Leistra	20580	Sorption of Nine Pesticides to Three Aquatic Macrophytes	Arch. Environ. Contam. Toxicol.37(3): 310-316	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Hormidium sp.	Algae	Algae	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Nostoc sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	0.0012	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0025	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	0.0044	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0017	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0013	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0019	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	0.0009	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0016	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	0.002	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	0.0028	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	0.0005	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0013	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	0.0248	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	0.0236	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	EC50	Population	Population changes, general	Not reported	Active ingredient	0.05	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313 326	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Skeletonema costatum	Diatom	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Salt water	Lab	NC	5	Day(s)	EC50	Population	Abundance	Not coded	Active ingredient	0.0359	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0173	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	0.0054	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	0.006	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0122	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0222	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0187	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Navicula pelliculosa	Diatom	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	EC50	Population	Abundance	Not coded	Active ingredient	0.0137	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Anabaena flosaquae	Blue-Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	EC50	Population	Abundance	Not coded	Active ingredient	0.0388	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0257	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0221	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	0.0132	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	100	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	EC50	Population	Abundance	Not coded	Active ingredient	0.067	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	0.0109	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC90	Population	Population growth rate	Not reported	Formulation	0.0563	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.1204	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.4013	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC90	Population	Population growth rate	Not reported	Formulation	0.1402	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.1892	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC90	Population	Population growth rate	Not reported	Formulation	0.0588	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.3792	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC90	Population	Population growth rate	Not reported	Formulation	0.6398	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC90	Population	Population growth rate	Not reported	Formulation	0.0637	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC90	Population	Population growth rate	Not reported	Formulation	0.0303	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.2952	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus acutus	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.1173	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	6	4	Day(s)	LOEC	Population	Population growth rate	Not reported	Active ingredient	0.1	AI mg/L	Garten,C.T.,Jr., and M.L. Frank	62406	Comparison of Toxicity to Terrestrial Plants with Algal Growth Inhibition by Herbicides	Interagency Agreement No.40-1067-80, Prepared for the U.S.EPA, Washington, D.C., by the Oak Ridge Natl.Lab., Oak Ridge, TN:32 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Days post-hatch	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LOEC	Population	Population growth rate	Not reported	Active ingredient	0.1	AI mg/L	Garten,C.T.,Jr.	19243	Multispecies Methods of Testing for Toxicity: Use of the Rhizobium-Legume Symbiosis in Nitrogen Fixation and Correlations Between Responses by Algae and Terrestrial Plants	ASTM Spec. Tech. Publ.:69-84	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Days post-hatch	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LOEC	Population	Population growth rate	Not reported	Active ingredient	0.1	AI mg/L	Garten,C.T.,Jr.	19243	Multispecies Methods of Testing for Toxicity: Use of the Rhizobium-Legume Symbiosis in Nitrogen Fixation and Correlations Between Responses by Algae and Terrestrial Plants	ASTM Spec. Tech. Publ.:69-84	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	6	4	Day(s)	LOEC	Population	Population growth rate	Not reported	Active ingredient	0.1	AI mg/L	Garten,C.T.,Jr., and M.L. Frank	62406	Comparison of Toxicity to Terrestrial Plants with Algal Growth Inhibition by Herbicides	Interagency Agreement No.40-1067-80, Prepared for the U.S.EPA, Washington, D.C., by the Oak Ridge Natl.Lab., Oak Ridge, TN:32 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	97	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	21	Day(s)	LOEL	Growth	Growth rate	Not reported	Active ingredient	0.18	AI mg/L	Slijkerman,D.M.E., M. Moreira-Santos, R.G. Jak, R. Ribeiro, A.M.V.M. Soares, and N.M. Van Straalen	95475	Functional and Structural Impact of Linuron on a Freshwater Community of Primary Producers: The Use of Immobilized Algae	Environ. Toxicol. Chem.24(10): 2477-2485	2005	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Days post-hatch	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Population	Population growth rate	Not reported	Active ingredient	0.01	AI mg/L	Garten,C.T.,Jr.	19243	Multispecies Methods of Testing for Toxicity: Use of the Rhizobium-Legume Symbiosis in Nitrogen Fixation and Correlations Between Responses by Algae and Terrestrial Plants	ASTM Spec. Tech. Publ.:69-84	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	6	4	Day(s)	NOEC	Population	Population growth rate	Not reported	Active ingredient	0.01	AI mg/L	Garten,C.T.,Jr., and M.L. Frank	62406	Comparison of Toxicity to Terrestrial Plants with Algal Growth Inhibition by Herbicides	Interagency Agreement No.40-1067-80, Prepared for the U.S.EPA, Washington, D.C., by the Oak Ridge Natl.Lab., Oak Ridge, TN:32 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Scenedesmus opoliensis	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	57	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	6	4	Day(s)	NOEC	Population	Population growth rate	Not reported	Active ingredient	0.01	AI mg/L	Garten,C.T.,Jr., and M.L. Frank	62406	Comparison of Toxicity to Terrestrial Plants with Algal Growth Inhibition by Herbicides	Interagency Agreement No.40-1067-80, Prepared for the U.S.EPA, Washington, D.C., by the Oak Ridge Natl.Lab., Oak Ridge, TN:32 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	41.8	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Days post-hatch	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Population	Population growth rate	Not reported	Active ingredient	0.01	AI mg/L	Garten,C.T.,Jr.	19243	Multispecies Methods of Testing for Toxicity: Use of the Rhizobium-Legume Symbiosis in Nitrogen Fixation and Correlations Between Responses by Algae and Terrestrial Plants	ASTM Spec. Tech. Publ.:69-84	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Navicula pelliculosa	Diatom	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	NOEL	Population	Abundance	Not coded	Active ingredient	<0.00579	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	97	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	21	Day(s)	NOEL	Growth	Growth rate	Not reported	Active ingredient	0.06	AI mg/L	Slijkerman,D.M.E., M. Moreira-Santos, R.G. Jak, R. Ribeiro, A.M.V.M. Soares, and N.M. Van Straalen	95475	Functional and Structural Impact of Linuron on a Freshwater Community of Primary Producers: The Use of Immobilized Algae	Environ. Toxicol. Chem.24(10): 2477-2485	2005	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Skeletonema costatum	Diatom	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Salt water	Lab	NC	5	Day(s)	NOEL	Population	Abundance	Not coded	Active ingredient	0.00535	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Anabaena flosaquae	Blue-Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	NOEL	Population	Abundance	Not coded	Active ingredient	0.0128	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	100	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	NOEL	Population	Abundance	Not coded	Active ingredient	0.02	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chlamydomonas reinhardtii	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	3	Day(s)	NR	Population	Population changes, general	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anabaena cylindrica	Blue-Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1	AI mg/L	Venkataraman,G.S., and B. Rajyalakshmi	9206	Relative Tolerance of Nitrogen-Fixing Blue-Green Algae to Pesticides	Indian J. Agric. Sci.42(2): 119-121	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	3	Week(s)	Not reported	Static	Unmeasured	Culture	Lab	11	NR	Day(s)	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Cullimore,D.R.	4871	The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides	Weed Res.15:401-406	1975	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Oocyte, ova	Static	Unmeasured	Fresh water	Lab	3	0.8333	Day(s)	LOEL	Hormone(s)	Progesterone	Oocyte	Active ingredient	15.569	AI mg/L	Orton,F., I. Lutz, W. Kloas, and E.J. Routledge	117111	Endocrine Disrupting Effects of Herbicides and Pentachlorophenol: In Vitro and In Vivo Evidence	Environ. Sci. Technol.43(6): 2144-2150	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Oocyte, ova	Static	Unmeasured	Fresh water	Lab	3	0.8333	Day(s)	NOEL	Hormone(s)	Testosterone	Oocyte	Active ingredient	15.569	AI mg/L	Orton,F., I. Lutz, W. Kloas, and E.J. Routledge	117111	Endocrine Disrupting Effects of Herbicides and Pentachlorophenol: In Vitro and In Vivo Evidence	Environ. Sci. Technol.43(6): 2144-2150	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Oocyte, ova	Static	Unmeasured	Fresh water	Lab	3	0.8333	Day(s)	NOEL	Hormone(s)	Progesterone	Oocyte	Active ingredient	1.557	AI mg/L	Orton,F., I. Lutz, W. Kloas, and E.J. Routledge	117111	Endocrine Disrupting Effects of Herbicides and Pentachlorophenol: In Vitro and In Vivo Evidence	Environ. Sci. Technol.43(6): 2144-2150	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Oocyte, ova	Static	Unmeasured	Fresh water	Lab	3	0.8333	Day(s)	NOEL	Hormone(s)	17-beta Estradiol	Oocyte	Active ingredient	15.569	AI mg/L	Orton,F., I. Lutz, W. Kloas, and E.J. Routledge	117111	Endocrine Disrupting Effects of Herbicides and Pentachlorophenol: In Vitro and In Vivo Evidence	Environ. Sci. Technol.43(6): 2144-2150	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	>97	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Oocyte, ova	Static	Unmeasured	Fresh water	Lab	3	0.8333	Day(s)	NOEL	Reproduction	Ovulation rate	Oocyte	Active ingredient	15.569	AI mg/L	Orton,F., I. Lutz, W. Kloas, and E.J. Routledge	117111	Endocrine Disrupting Effects of Herbicides and Pentachlorophenol: In Vitro and In Vivo Evidence	Environ. Sci. Technol.43(6): 2144-2150	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Daphnia sp.	Water Flea	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Active ingredient	0.36	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313 326	1984	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation		Diaptomus gracilis	Calanoid Copepod	Crustaceans	NR	Not reported	Not reported	Mixture	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Lineage	Immobile	Not reported	Active ingredient	0.56	ug/L	Stephenson R.R., and D.F. Kane	111636	Combined Toxicity Effects of Nine Pesticides Mixtured with Nine Rotifer Species	Ecotoxicol. Environ. Contam. Toxicol.19(6): 816-825	1988	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Not reported	Not reported	Static	Not reported	Unmeasured	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	1,000	ug/L	Kraul,W. , and F.Y. Schuler	90214	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Moina macrocopa	Water Flea	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	130	ug/L	Nishiuchi,Y., and T. Hashimoto	101504	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Nippon Suisan Gakkaishi 53(1): 5-11	1987	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Moina macrocopa	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Population	Abundance	Not reported	Active ingredient	0.56	ug/L	Slooff,W., J.H. Canton, J.F.M. Hermens, A.M.V.M. Stanen,	117726	Linuron in Tropical Freshwater Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ecotoxicol. Environ. Saf.7(2): 132-163	1983	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ostracoda	Ostracod/Seed Shrimp Class	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ostracoda	Ostracod/Seed Shrimp Class	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Mixture	Unmeasured	Field artificial			7	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.56	ug/L	Slooff,W., A.M.V. Rodrigues, P.J. Van den Brink, and A.J.A. Nagarno	117726	Linuron in Tropical Freshwater Ecological Effects of the Herbicide	Ecotoxicol. Environ. Saf.7(2): 132-163	1983	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ostracoda	Ostracod/Seed Shrimp Class	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Egg	Static	Unmeasured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia galeata	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Hyalella azteca	Amphipod	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.1396	ug/L	Slooff,W.A., A.M.V. Rodrigues, P.J. Van den Brink, and A.J.A. Nagarno	117726	Linuron in Tropical Freshwater Ecological Effects of the Herbicide	Ecotoxicol. Environ. Saf.7(2): 132-163	1983	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chironomidae	Copepod Order	Crustaceans	NR	Not reported	Not reported	Lentic	Unmeasured	Field artificial			7	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.56	ug/L	Slooff,W.A., A.M.V. Rodrigues, P.J. Van den Brink, and A.J.A. Nagarno	117726	Linuron in Tropical Freshwater Ecological Effects of the Herbicide	Ecotoxicol. Environ. Saf.7(2): 132-163	1983	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyclopoida	Copepod Order	Crustaceans	NR	Not reported	Not reported	Lentic	Unmeasured	Field artificial			7	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.56	ug/L	Slooff,W.A., A.M.V. Rodrigues, P.J. Van den Brink, and A.J.A. Nagarno	117726	Linuron in Tropical Freshwater Ecological Effects of the Herbicide	Ecotoxicol. Environ. Saf.7(2): 132-163	1983	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Crustacea	Crustacean Subphylum	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation		0.56	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pseudosida sp.	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.56	ug/L	Wijkhuizen,D.M.E., M. Moreira-Santos, R.G. Jak, R. Ribeiro, A.M.V.M. Soares, and N.M. Van Straalen	99270	Functional and Structural Impact of Linuron on a Freshwater Community of Primary Producers: The Use of Simulated Algal	Environ. Toxicol. Chem.25(10): 2577-2585	2006	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Crustacea	Crustacean Subphylum	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab		21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Moina macrocopa	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.35	ug/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	99610	Community Metabolism and Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II.	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient		0.1396	ug/L	Slooff,W.A., A.M.V. Rodrigues, P.J. Van den Brink, and A.J.A. Nagarno	117726	Linuron in Tropical Freshwater Ecological Effects of the Herbicide	Ecotoxicol. Environ. Saf.7(2): 132-163	1983	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient		0.056	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.35	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.35	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Egg	Static	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Population	Abundance	Not reported	Formulation		0.056	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ostracoda	Ostracod/Seed Shrimp Class	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.35	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient		0.056	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ostracoda	Ostracod/Seed Shrimp Class	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.35	ug/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	99610	Community Metabolism and Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II.	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia galeata	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab		21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chydoridae	Water Flea Family	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient		0.056	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Population	Abundance	Not reported	Formulation		0.056	ug/L	Van den Brink,P.J.	96899	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	1992	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ostracoda	Ostracod/Seed Shrimp Class	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.35	ug/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	99610	Community Metabolism and Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II.	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient		0.56	ug/L	Kraul,W. , and F.Y. Schuler	90214	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation		0.56	ug/L	Kraul,W. , and F.Y. Schuler	90214	Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	0.1389	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	130	ug/L	Nishiuchi,Y., and T. Hashimoto	101504	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Nippon Suisan Gakkaishi 53(1): 5-11	1987	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation		0.56	ug/L	Kraul,W. , and F.Y. Schuler	90214	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation		0.56	ug/L	Kraul,W. , and F.Y. Schuler	90214	Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Ceriodaphnia dubia	Opossum Shrimp	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Salt water	Lab	NC	7	Day(s)	LC50	Mortality	Mortality	Not coded	Active ingredient		0.56	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Ceriodaphnia dubia	Opossum Shrimp	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Salt water	Lab	NC	7	Day(s)	LOEC	Growth	Growth, general	Not coded	Active ingredient		0.28	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	21	Day(s)	LOEC	Reproduction	Adults	Not coded	Active ingredient		0.56	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	21	Day(s)	LOEC	Mortality	Survival	Not coded	Active ingredient		0.56	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR		Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	21	Day(s)	LOEC	Growth	Growth, general	Not coded	Active ingredient		0.56	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		6	Day(s)	LOEC	Juvenile	Juvenile	Static	Unmeasured	Fresh water	Lab		0.56	ug/L	Slooff,W.A., and P.J. Van den Brink	101858	Colour Aquatic Microcosm	Arch. Environ. Contam. Toxicol.9(5): 23-35	1980	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Day(s)	Juvenile	Static	Unmeasured	Fresh water	Lab		0.958	Day(s)	LOEC	Physiology	Oxygen consumption	Not reported	Formulation		0.56	ug/L	Stephenson R.R., and D.F. Kane	111636	Combined Toxicity Effects of Nine Pesticides Mixtured with Nine Rotifer Species	Ecotoxicol. Environ. Contam. Toxicol.19(6): 816-825	1988	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation		0.56	ug/L	Hernando,M.D., M. Ejerhoun, A.R. Fernandez-Alba, and F. Chisti	73579	Combined Toxicity Effects of Nine Pesticides Mixtured with Nine Rotifer Species	Water Res.37(17): 4091-4098	2003	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation		Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Adult	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Immobile	Immobile	Not reported	Active ingredient		0.56	ug/L	Stephenson R.R., and D.F. Kane	111636	Combined Toxicity Effects of Nine Pesticides Mixtured with Nine Rotifer Species	Ecotoxicol. Environ. Contam. Toxicol.19(6): 816-825	1988	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.042	Day(s)	LC50	Enzyme(s)	Beta-Galactosidase	Whole organism	Formulation		0.056	ug/L	Nishiuchi,Y., A. Kaszka, and E. Nenovska	117636	The Use of Conventional Bioassays, Microbiotests, and Some "Rapid" Methods in the Selection of an Optimal Test Battery for the Assessment of Long-Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative	Environ. Toxicol.15(5): 374-386	2000	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation		0.56	ug/L	Kraul,W. , and F.Y. Schuler	90214	Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Not reported	Not reported	NR	1	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	130	ug/L	Nishiuchi,Y., and T. Hashimoto	101504	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Nippon Suisan Gakkaishi 53(1): 5-11	1987	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation		0.56	ug/L	Kraul,W. , and F.Y. Schuler	90214	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.47:231-239	1977	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Ceriodaphnia dubia	Opossum Shrimp	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Salt water	Lab	NC	7	Day(s)	LC50	Mortality	Mortality	Not coded	Active ingredient		0.56	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab		1	Day(s)	EC50	Behavior	Phototactic response	Not reported	Formulation		0.75	ug/L	Martinez,L.M.I. Soares, M.I. Saker, L. Oliva Teles, and V.M. Vasconcelos	99270	Functional and Structural Impact of Linuron on a Freshwater Community of Primary Producers: The Use of Simulated Algal	Environ. Toxicol. Chem.25(10): 2577-2585	2006	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Ceriodaphnia dubia	Opossum Shrimp	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Salt water	Lab	NC	7	Day(s)	LC50	Mortality	Survival	Not coded	Active ingredient		0.56	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	NR	Ceriodaphnia dubia	Opossum Shrimp	Crustaceans, Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Salt water	Lab	NC	7	Day(s)	LOEC	Growth	Growth, general	Not coded	Active ingredient		0.297	ug/L	U.S. Environmental Protection Agency	336	Formerly Environmental Effects Database	Pesticide Ecotoxicity Database (Formerly Environmental Effects Database)	1993	Drop. chemical
83055-99-6	N'-(1,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans, Standard Test Species	NR	Not reported	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEL	Mortality	Survivorship	Not reported	Formulation		0.56	ug/L	Keshav,D.R., and S.I. Dodson	93070	Overkill of Daphnia magna Populations by Insecticide Exposure in Ponds	Environ. Sci. Pollut.Res.9(3): 225-235	2002	Drop. chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Adult	Renewal	Not reported	Fresh water	Lab	NR	6	Day(s)	NOEL	Population	Sex ratio	Not reported	Formulation	0.1	AI mg/L	Kashian,D.R., and S.I. Dodson	93397	Effects of Common-Use Pesticides on Developmental and Reproductive Processes in Daphnia	Toxicol. Ind. Health18(5): 225-235	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NOEL	Reproduction	Fecundity	Not reported	Formulation	0.1	AI mg/L	Kashian,D.R., and S.I. Dodson	93397	Effects of Common-Use Pesticides on Developmental and Reproductive Processes in Daphnia	Toxicol. Ind. Health18(5): 225-235	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NOEL	Population	Sex ratio	Not reported	Formulation	0.1	AI mg/L	Kashian,D.R., and S.I. Dodson	93397	Effects of Common-Use Pesticides on Developmental and Reproductive Processes in Daphnia	Toxicol. Ind. Health18(5): 225-235	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Americamysis bahia	Opossum Shrimp	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Salt water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Active ingredient	1.2	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Fresh water	Lab	NC	2	Day(s)	NOEL	Intoxication	Immobile	Not coded	Active ingredient	1.58	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NOEL	Growth	Size	Not reported	Formulation	0.1	AI mg/L	Kashian,D.R., and S.I. Dodson	93397	Effects of Common-Use Pesticides on Developmental and Reproductive Processes in Daphnia	Toxicol. Ind. Health18(5): 225-235	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	94.4	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	1	Instar	Not coded	Static	Not coded	Fresh water	Lab	NC	2	Day(s)	NOEL	Intoxication	Immobile	Not coded	Active ingredient	0.1	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	6	Day(s)	Juvenile	Static	Unmeasured	Fresh water	Lab	2	0.1458	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Formulation	3	AI mg/L	Martins,J.C., M.L. Saker, L.F. Oliva Teles, and V.M. Vasconcelos	99525	Oxygen Consumption by Daphnia magna Straus as a Marker of Chemical Stress in the Aquatic Environment	Environ. Toxicol. Chem.26(9): 1987-1991	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	NR	Behavior	Phototactic response	Not reported	Formulation	NR	AI mg/L	Martins,J., M.L. Soares, M.L. Saker, L. OlivaTeles, and V.M. Vasconcelos	94072	Phototactic Behavior in Daphnia magna Straus as an Indicator of Toxicants in the Aquatic Environment	Ecotoxicol. Environ. Saf.67(3): 417-422	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	7	0.1458	Day(s)	NR	Behavior	Phototactic response	Not reported	Formulation	NR	AI mg/L	Martins,J., M.L. Soares, M.L. Saker, L. OlivaTeles, and V.M. Vasconcelos	94072	Phototactic Behavior in Daphnia magna Straus as an Indicator of Toxicants in the Aquatic Environment	Ecotoxicol. Environ. Saf.67(3): 417-422	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Xiphophorus helleri	Green Swordtail	Fish	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation	1.5	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Xiphophorus helleri	Green Swordtail	Fish	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	15	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Fry	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	6.426	AI mg/L	Shafiei,T.M., and H.H. Costa	9253	The Susceptibility and Resistance of Fry and Fingerlings of Oreochromis mossambicus Peters to Some Pesticides Commonly used in Sri Lanka	J. Appl. Ichthyol.6(2): 73-80	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Xiphophorus helleri	Green Swordtail	Fish	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	4.6	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Multiple	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR	Morphology	Structural changes	Vertebra	Formulation	NR	AI mg/L	Shafiei,T.M., and H.H. Costa	9253	The Susceptibility and Resistance of Fry and Fingerlings of Oreochromis mossambicus Peters to Some Pesticides Commonly used in Sri Lanka	J. Appl. Ichthyol.6(2): 73-80	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	>=5	<=7	Day(s)	EC10	Morphology	Abnormal	Not reported	Formulation	6.5	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	<=2	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	>=5	<=4	Day(s)	EC10	Morphology	Abnormal	Not reported	Formulation	1.2	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	>=5	<=7	Day(s)	EC20	Morphology	Abnormal	Not reported	Formulation	7	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	<=2	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	>=5	<=4	Day(s)	EC20	Morphology	Abnormal	Not reported	Formulation	1.3	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	>=5	<=7	Day(s)	EC50	Morphology	Abnormal	Not reported	Formulation	8.2	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	12	5	Day(s)	EC50	Multiple	Multiple effects reported as one result	Multiple sites	Formulation	7.167605207	AI mg/L	Padilla,S., D. Corum, B. Padnos, D.L. Hunter, A. Beam, K.A. Houck, N. Sipes, N. Kleinstreuer, T. Knudsen, D.J. Dix, and	161191	Zebrafish Developmental Screening of the ToxCast Phase I Chemical Library	Reprod. Toxicol.33(2): 174-187	2012	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	<=2	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	>=5	<=4	Day(s)	EC50	Morphology	Abnormal	Not reported	Formulation	1.88	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	12	5	Day(s)	EC50	Multiple	Multiple effects reported as one result	Multiple sites	Formulation	8.896933443	AI mg/L	Padilla,S., D. Corum, B. Padnos, D.L. Hunter, A. Beam, K.A. Houck, N. Sipes, N. Kleinstreuer, T. Knudsen, D.J. Dix, and	161191	Zebrafish Developmental Screening of the ToxCast Phase I Chemical Library	Reprod. Toxicol.33(2): 174-187	2012	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation	6	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	95.1	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	2.9	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	8	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Cyprinodon variegatus	Sheepshead Minnow	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Salt water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Active ingredient	0.89	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	50	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	3.2	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	96.2	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Active ingredient	9.6	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	50	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	1.8	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	54	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	9.2	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	>10	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	50	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	16.2	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4.9167	Day(s) post-fertilization	LOEC	Behavior	Swimming	Not reported	Active ingredient	2.490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4.1667	Day(s) post-fertilization	LOEC	Behavior	Activity, general	Not reported	Active ingredient	2.490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Cyprinodon variegatus	Sheepshead Minnow	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Not coded	Lab	NC	35	Day(s)	LOEC	Mortality	Survival	Not coded	Active ingredient	0.76	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Cyprinodon variegatus	Sheepshead Minnow	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Not coded	Lab	NC	35	Day(s)	LOEC	Growth	Growth, general	Not coded	Active ingredient	0.76	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Cyprinodon variegatus	Sheepshead Minnow	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Not coded	Lab	NC	35	Day(s)	LOEC	No Effect	Endpoint reported without a specific effect	Not coded	Active ingredient	0.766	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	2	7	Day(s)	LOEC	Genetics	CYP11beta mRNA	Whole organism	Formulation	7	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	2	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	4	2	Day(s)	LOEC	Genetics	Homeobox A11b mRNA	Whole organism	Formulation	1.3	AI mg/L	Schiller,V., A. Wichmann, R. Kriehuber, C. Schafers, R. Fischer, and M. Fenske	169181	Transcriptome Alterations in Zebrafish Embryos After Exposure to Environmental Estrogens and Anti-Androgens can Reveal Endocrine	Reprod. Toxicol.42:210-223	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	2	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	4	2	Day(s)	LOEC	Genetics	Relaxin/insulin-like family peptide receptor 3 mRNA	Whole organism	Formulation	1.3	AI mg/L	Schiller,V., A. Wichmann, R. Kriehuber, C. Schafers, R. Fischer, and M. Fenske	169181	Transcriptome Alterations in Zebrafish Embryos After Exposure to Environmental Estrogens and Anti-Androgens can Reveal Endocrine	Reprod. Toxicol.42:210-223	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	2	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	4	2	Day(s)	LOEC	Genetics	Zona pellucida glycoprotein3 mRNA	Whole organism	Formulation	1.3	AI mg/L	Schiller,V., A. Wichmann, R. Kriehuber, C. Schafers, R. Fischer, and M. Fenske	169181	Transcriptome Alterations in Zebrafish Embryos After Exposure to Environmental Estrogens and Anti-Androgens can Reveal Endocrine	Reprod. Toxicol.42:210-223	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	2	21	Day(s)	LOEC	Genetics	Catalase mRNA	Liver	Formulation	0.1	AI mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Elphick, and V.L. Marlatt	169101	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales promelas)	J. Proteome Res.11:4147-4161	2012	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	2	21	Day(s)	LOEC	Biochemistry	Vitellogenin	Plasma	Formulation	0.1	AI mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Elphick, and V.L. Marlatt	169101	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales promelas)	J. Proteome Res.11:4147-4161	2012	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	2	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	4	2	Day(s)	LOEC	Genetics	Neuropeptide Y receptor Y8b mRNA	Whole organism	Formulation	1.3	AI mg/L	Schiller,V., A. Wichmann, R. Kriehuber, C. Schafers, R. Fischer, and M. Fenske	169181	Transcriptome Alterations in Zebrafish Embryos After Exposure to Environmental Estrogens and Anti-Androgens can Reveal Endocrine	Reprod. Toxicol.42:210-223	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	2	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	4	2	Day(s)	LOEC	Genetics	Gonadoliberin-2 mRNA	Whole organism	Formulation	1.3	AI mg/L	Schiller,V., A. Wichmann, R. Kriehuber, C. Schafers, R. Fischer, and M. Fenske	169181	Transcriptome Alterations in Zebrafish Embryos After Exposure to Environmental Estrogens and Anti-Androgens can Reveal Endocrine	Reprod. Toxicol.42:210-223	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	2	7	Day(s)	LOEC	Genetics	3B-Hydroxysteroid dehydrogenase mRNA	Whole organism	Formulation	7	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4	Day(s) post-fertilization	LOEC	Behavior	Distance moved, change in direct movement	Not reported	Active ingredient	2.490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4.1667	Day(s) post-fertilization	LOEC	Behavior	Swimming	Not reported	Active ingredient	2.490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Pestanal grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	2	Year(s)	Sexually mature	Flow-through	Measured	Fresh water	Lab	4	4	Day(s)	LOEC	Biochemistry	Cholesterol	Liver	Active ingredient	0.2259	AI mg/L	Uren Webster,T.M., M.H. Perry, and E.M. Santos	169184	The Herbicide Linuron Inhibits Cholesterol Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(5): 3110-3118	2015	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4	Day(s) post-fertilization	LOEC	Behavior	Swimming	Not reported	Active ingredient	2.490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4	Day(s) post-fertilization	LOEC	Behavior	Activity, general	Not reported	Active ingredient	2.490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	2	7	Day(s)	LOEC	Genetics	Gonadoliberin-2 mRNA	Whole organism	Formulation	7	AI mg/L	Schiller,V., X. Zhang, M. Hecker, C. Schafers, R. Fischer, and M. Fenske	169182	Species-Specific Considerations in Using the Fish Embryo Test as an Alternative to Identify Endocrine Disruption	Aquat. Toxicol.155:62-72	2014	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	48	Hours post fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	2	3	Day(s)	NOEC	Hormone(s)	Thyroxine	Thyroid	Formulation	20	AI mg/L	Thienpont,B., A. Tingaud-Sequeira, E. Prats, C. Barata, P.J. Babin, and D. Raldua	155099	Zebrafish Eleutheroembryos Provide a Suitable Vertebrate Model for Screening Chemicals that Impair Thyroid Hormone Synthesis	Environ. Sci. Technol.45(17): 7525-7532	2011	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Biochemistry	Vitellogenin	Plasma	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Injury	Papilloma, wart	Not reported	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Genetics	P450scc mRNA	Ovaries	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Injury	Papilloma, wart	Not reported	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.7	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	~24	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	5	21	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Active ingredient	NR	AI mg/L	Marlatt,V.L., B.P. Lo, A. Ornostay, N.S. Hogan, C.J. Kennedy, J.R. Elphick, and C.J. Martyniuk	169189	The Effects of the Urea-Based Herbicide Linuron on Reproductive Endpoints in the Fathead Minnow (Pimephales	Comp. Biochem. Physiol. C Toxicol. Pharmacol.157(1): 24-32	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Hours post fertilization	Embryo	Static	Unmeasured	Salt water	Lab	5	4	Day(s) post-fertilization	NOEC	Behavior	Swimming	Not reported	Active ingredient	0.2490966	AI mg/L	Fraser,T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and E. Ropstad	176943	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Biomarkers	Aquat. Toxicol.193:128-135	2017	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Deaths	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.9167	Day(s) post-fertilization	NOEC	Behavior	Swimming	Not reported	Active ingredient	0.2249	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.9167	Day(s) post-fertilization	NOEC	Behavior	Activity, general	Not reported	Active ingredient	0.2249	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4	Day(s) post-fertilization	NOEC	Behavior	Distance moved, change in direct movement	Not reported	Active ingredient	0.2249	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.1667	Day(s) post-fertilization	NOEC	Behavior	Swimming	Not reported	Active ingredient	0.2499	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.9167	Day(s) post-fertilization	NOEC	Behavior	Distance moved, change in direct movement	Not reported	Active ingredient	2.4999	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.1667	Day(s) post-fertilization	NOEC	Behavior	Activity, general	Not reported	Active ingredient	0.2499	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.1667	Day(s) post-fertilization	NOEC	Behavior	Distance moved, change in direct movement	Not reported	Active ingredient	2.4999	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	99.5	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Static	Unmeasured	Salt water	Lab		4.9167	Day(s) post-fertilization	NOEC	Behavior	Activity, general	Not reported	Active ingredient	2.4999	Mole/L	Yiqiaer, T.W.K., A. Khezri, A.M. Lewandowska-Sabat, T. Henry, and R. Ropstad	17490	Endocrine Disruptors Affect Larval Zebrafish Behavior: Testing Potential Mechanisms and Comparisons of Behavioral Sensitivity to Alternative Bioactives	Aquat. Toxicol.198:128-135.	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Pesticide grade	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species		1 Year(s)	Sexually mature	Flow-through	Measured	Fresh water	Lab		42	Day(s)	NOEC	Growth	Condition index	Whole organism	Active ingredient	0.2250	Mole/L	Glen Webster, T.M., M.H. Perry, and B.M. Santos	18058	The Herbicide Linuron Inhibits Cholesterol Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(5): 3110-3118	2015	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Pesticide grade	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species		1 Year(s)	Sexually mature	Flow-through	Measured	Fresh water	Lab		42	Day(s)	NOEC	Biochemistry	Cholesterol	Liver	Active ingredient	0.2250	Mole/L	Glen Webster, T.M., M.H. Perry, and B.M. Santos	18058	The Herbicide Linuron Inhibits Cholesterol Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(5): 3110-3118	2015	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Pesticide grade	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species		1 Year(s)	Sexually mature	Flow-through	Measured	Fresh water	Lab		42	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Active ingredient	0.2250	Mole/L	Glen Webster, T.M., M.H. Perry, and B.M. Santos	18058	The Herbicide Linuron Inhibits Cholesterol Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(5): 3110-3118	2015	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Pesticide grade	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species		1 Year(s)	Sexually mature	Flow-through	Measured	Fresh water	Lab		42	Day(s)	NOEC	Growth	Sex	Whole organism	Active ingredient	0.2250	Mole/L	Glen Webster, T.M., M.H. Perry, and B.M. Santos	18058	The Herbicide Linuron Inhibits Cholesterol Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(5): 3110-3118	2015	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not coded	98.4	Lagarodon variegatus	Sheepshead Minnow	Fish, Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Not coded	Lab	NC	96	Day(s)	NOEC	No effect	Endpoint reported without a specific effect	Not coded	Not coded	0.95	Mole/L	U.S. Environmental Protection Agency	646	Chemical Reactivity Research on Formerly Environmental Effects	U.S.EPA, Washington, D.C.	1982	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Genetics	Androgen receptor alpha mRNA	Whole organism	Formulation	750	ng/L	Schiller,V., R. Zhang, M. Hecker, C. Schaffer, R. Fischer, and M. Fenske	38731	Gender Specific Considerations in Using the Fish Embryo Test as an Alternative to Sexually Endocrine Disruption	Aquat. Toxicol.193:62-72	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Vitellogenin Acute Regulatory protein mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 1 mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	UDP-glucuronosyltransferase 2B15 mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 1 mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Acyl-coenzyme A oxidase 1 mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	CYP11A mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Cytochrome P450 1A mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Peroxisome proliferator-activated receptor alpha mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Genetics	Androgen receptor Ile642 protein mRNA	Whole organism	Formulation	750	ng/L	Schiller,V., R. Zhang, M. Hecker, C. Schaffer, R. Fischer, and M. Fenske	38731	Gender Specific Considerations in Using the Fish Embryo Test as an Alternative to Sexually Endocrine Disruption	Aquat. Toxicol.193:62-72	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Genetics	CYP19b mRNA	Whole organism	Formulation	0.45	Mole/L	Schiller,V., R. Zhang, M. Hecker, C. Schaffer, R. Fischer, and M. Fenske	38731	Gender Specific Considerations in Using the Fish Embryo Test as an Alternative to Sexually Endocrine Disruption	Aquat. Toxicol.193:62-72	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Pregnane X receptor mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Hormone(s)	Aldosterone	Plasma	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Genetics	Superoxide dismutase mRNA	Liver	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Luteinizing hormone beta-subunit mRNA	Brain	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Estrogen receptor alpha mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Genetics	Fructose-1,6-bisphosphatase 1a mRNA	Liver	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Genetics	60S ribosomal protein L32 mRNA	Liver	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Ribosomal protein L10 mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Hormone(s)	17-beta Estradiol	Plasma	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Ribosomal protein L23a mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	CYP19b1 mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Genetics	Betaine-homocysteine S-methyltransferase mRNA	Liver	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	17-beta-hydroxysteroid dehydrogenase mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Sulfotransferase family 1, cytosolic sulfotransferase 2 mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Follicle stimulating hormone beta mRNA	Brain	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	3B-Hydroxysteroid dehydrogenase mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Estrogen receptor alpha mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Androgen receptor mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Genetics	Ribosomal protein S29 mRNA	Liver	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Sulfotransferase family 1, cytosolic sulfotransferase 2 mRNA	Liver	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	CYP17 mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	NOEC	Genetics	Peroxisomal bifunctional enzyme mRNA	Testes	Formulation	0.005	Mole/L	Crago,J., and R. Klaper	38731	A Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales Promelas) (Laboratory) Through a Novel Mechanism	Aquat. Toxicol.193/111:70-83	2017	Group. chemical
59301-75-1	N'-(1,3,4-Oxidiazolyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab		21	Day(s)	NOEC	Genetics	Vitellogenin mRNA	Liver	Formulation	0.14	mg/L	Martyniuk,C.J., S. Alvarez, B.P. Lo, J.R. Bahrndi, and V.L. Trudeau	18745	Hepatic Protein Expression Networks Associated with Masculinization in the Female Fathead Minnow (Pimephales Promelas) (Exposed)	Proteome Res.11:6147-6165	2012	Group. chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis Media Type	Test Location	Number of Doses	Dose and Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	3	28	Day(s)	NOEC	Genetics	UDP-glucuronosyltransferase 2B15 mRNA	Tissue	Formulation	0.00014	mg/L	Crago J., and R. Klaper	3875514	Is Exposure Through a Novel Mechanism? Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales	Aquat. Toxicol 155/111-70-83	2014	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	3	28	Day(s)	NOEC	Genetics	Estrogen receptor beta2 protein mRNA	Tissue	Formulation	0.00014	mg/L	Crago J., and R. Klaper	3875514	Is Exposure Through a Novel Mechanism? Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales	Aquat. Toxicol 155/111-70-83	2014	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	3	28	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gonad(s)	Formulation	0.00014	mg/L	Crago J., and R. Klaper	3875514	Is Exposure Through a Novel Mechanism? Mixture of an Environmentally Realistic Concentration of a Phthalate and Herbicide Reduces Testosterone in Male Fathead Minnow (Pimephales	Aquat. Toxicol 155/111-70-83	2014	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	1	72	Day(s)	NOEC	Genetics	Vitellogenin 1 mRNA	Whole organism	Formulation	0.00	mg/L	Schäfers C., B. Zhang, M. Hecker, C. Schäfers, R. Fischer, and M. Fenske	3859582	Gonad Transcriptome Analysis of Fish Species with Significance to Human Exposure: Species Specific Considerations in Using the Fish Embryo Test as an Alternative to	Identify Endocrine Disruption	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Days post-hatch	Fry	Renewal	Unmeasured	Fresh water	Lab	1	60	Day(s)	NOEC	Biochemistry	Decrease in Vitellogenin 1 mRNA	Whole organism	Formulation	2.06	mg/L	Schäfers C., B. Zhang, M. Hecker, C. Schäfers, R. Fischer, and M. Fenske	3859582	Gonad Transcriptome Analysis of Fish Species with Significance to Human Exposure: Species Specific Considerations in Using the Fish Embryo Test as an Alternative to	Identify Endocrine Disruption	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not cited	NR	Lepomis macrochirus	Bluegill	Fish, Standard Test Species	NC	Not cited	Not cited	Static	Not cited	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not cited	Not cited	7.5	mg/L	U.S. Environmental Protection Agency	3367	Pesticide Ecotoxicity Database (Formerly: Environmental Fate and Effects Division)	U.S.EPA, Washington, D.C.	1990	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not cited	NR, Q	Lepomis macrochirus	Bluegill	Fish, Standard Test Species	NC	Not cited	Not cited	Static	Not cited	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not cited	Active ingredient	0.43	mg/L	U.S. Environmental Protection Agency	3367	Pesticide Ecotoxicity Database (Formerly: Environmental Fate and Effects Division)	U.S.EPA, Washington, D.C.	1990	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not cited	NR, Q	Lepomis macrochirus	Sheepshead Minnow	Fish, Standard Test Species	NC	Not cited	Not cited	Static	Not cited	Salt water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not cited	Active ingredient	0.4	mg/L	U.S. Environmental Protection Agency	3367	Pesticide Ecotoxicity Database (Formerly: Environmental Fate and Effects Division)	U.S.EPA, Washington, D.C.	1990	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not cited	NR	Lepomis macrochirus	Bluegill	Fish, Standard Test Species	NR	Not reported	Not reported	Static	Not cited	Not cited	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not cited	Not cited	0.43	mg/L	U.S. Environmental Protection Agency	3367	Pesticide Ecotoxicity Database (Formerly: Environmental Fate and Effects Division)	U.S.EPA, Washington, D.C.	1990	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	NR	Not reported	Not reported	Static	Not cited	Fresh water	Lab	1	7	Day(s)	NR (MRL)	Mortality	Mortality	Not reported	Active ingredient	0.2756	mg/L	Glen Webster, T.M., M.H. Perry, and B.M. Sandy	3859586	The Herbicide Linuron Inhibits Testosterone Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(1): 81-10 4318	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	1	96	Day(s)	NR	Multiple	Multiple effects reported as one result	Multiple sites	Formulation	19.9077	mg/L	Haldi, G., D. Giunta, B. Peleteiro, Bis., Nadim, A. Bisio, K.A. Hauck, N. Sipes, N. Klenkhuman, T. Knudsen, R.J. Sta, and	3823758	Zebrafish Developmental Screening of the ToxCast Phase I Chemical Library	Wiley-Vol. Toxicol.83(1): 172-187	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	2	Month(s)	Sexually mature	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NR	Genetics	Gene expression	Liver	Active ingredient	NR	ng/L	Glen Webster, T.M., M.H. Perry, and B.M. Sandy	3875514	The Herbicide Linuron Inhibits Testosterone Biosynthesis and Induces Cellular Stress Responses in Brown Trout	Environ. Sci. Technol.49(1): 81-10 4318	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	1	72	Day(s)	NR	Development	Developmental changes, general	Not reported	Formulation	7.45	mg/L	Schäfers C., B. Zhang, M. Hecker, C. Schäfers, R. Fischer, and M. Fenske	3859582	Gonad Transcriptome Analysis of Fish Species with Significance to Human Exposure: Species Specific Considerations in Using the Fish Embryo Test as an Alternative to	Identify Endocrine Disruption	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	4-5	Hours post-fertilization	Embryo	Renewal	Unmeasured	Fresh water	Lab	1	96	Day(s)	NR	Development	Developmental changes, general	Not reported	Formulation	1.49	mg/L	Haldi, G., D. Giunta, B. Peleteiro, Bis., Nadim, A. Bisio, K.A. Hauck, N. Sipes, N. Klenkhuman, T. Knudsen, R.J. Sta, and	3823758	Zebrafish Developmental Screening of the ToxCast Phase I Chemical Library	Wiley-Vol. Toxicol.83(1): 172-187	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR, P	Pimephales promelas	Fathead Minnow	Fish, Standard Test Species	7-21	Week(s)	Adult	Renewal	Measured	Fresh water	Lab	2	21	Day(s)	NR	Biochemistry	Vitellogenin	Plasma	Active ingredient	NR	ng/L	Jensen K.M., A.M. Korte, J.E. Kahl, M.A. Pasha, J.C. McCarthy, J.A. Ankley, and D.L. Villeneuve	3859586	Temporal Effects of an Androgen and Fathead Minnow (Pimephales	Environ. Toxicol. Chem. 26/1-2: 287-294	2007	Drug; chemical
83055-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>=99	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	>=7	21	Day(s)	ECO	Biochemistry	Spiggin	Kidney	Active ingredient	0.0103	mg/L	Pottinger,T.G., I. Katsiadaki, C. Jolly, M. Sanders, I. Mayer, A.P. Scott, S. Morris, A. Kerckhaing, and M. Schulze	3855586	Androgens Act Jointly in Suppressing Spiggin Concentrations in Androgen-Primed Female Three-Spined Sticklebacks - Prediction of Combined	Aquat. Toxicol 165/141-143-156	2015	Drug; chemical
83055-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>=99	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	>=7	21	Day(s)	ECO	Biochemistry	Spiggin	Kidney	Active ingredient	0.114	mg/L	Pottinger,T.G., I. Katsiadaki, C. Jolly, M. Sanders, I. Mayer, A.P. Scott, S. Morris, A. Kerckhaing, and M. Schulze	3855586	Androgens Act Jointly in Suppressing Spiggin Concentrations in Androgen-Primed Female Three-Spined Sticklebacks - Prediction of Combined	Aquat. Toxicol 165/141-143-156	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Not reported	NR	1	120	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	58.00	mg/L	Kruse,W., and K.F. Schuze	3823758	Long-Range Effect of Sublethal Amounts of the Herbicide Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden u.Hyg.27:231-239	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	10	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	58.00	mg/L	Kruse,W., and K.F. Schuze	3823758	Long-Range Effect of Sublethal Amounts of the Herbicide Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden u.Hyg.27:231-239	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	0	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	>58	mg/L	Kruse,W., and K.F. Schuze	3823758	Long-Range Effect of Sublethal Amounts of the Herbicide Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden u.Hyg.27:231-239	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	1	0	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	>58	mg/L	Nishiuchi,Y., and Y. Hashimoto	3823758	Toxicity of Pesticide Ingredients to Carp and Goldfish	Bull. Ped Control (Tokyo-Kagaku)(53):1-5	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	>1	Month(s)	Not reported	Renewal	Measured	Salt water	Lab	2	21	Day(s)	EC50	Biochemistry	Spiggin	Kidney	Active ingredient	NR	ng/L	Katsiadaki, I., S. Morris, C. Squires, M.R. Hurst, J.D. James, and A.P. Scott	3823758	Use of the Three-Spined Stickleback (Gasterosteus aculeatus) as a Sensitive In Vivo Test for Detection of Environmental Antiandrogens	Environ. Health Perspect.114(Suppl 1): 114-121	2006	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	1	21	Day(s)	EC50	Genetics	Androgen receptor alpha mRNA	Kidney	Formulation	0.28	mg/L	Hagos,N.S., M.J. Gallant, and M.R. Van den Heuvel	3823758	Effects of Androgen-Dependent Gene Expression in the Three-Spined Stickleback (Gasterosteus aculeatus)	Environ. Toxicol. Chem.31(6): 1391-139	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>=99	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Flow-through	Measured	Salt water	Lab	2	21	Day(s)	ECO	Biochemistry	Spiggin	Kidney	Active ingredient	0.0103	mg/L	Jolly,C., I. Katsiadaki, S. Morris, N. Le Belle, S. Dufour, I. Mayer, T.G. Pottinger, and A.P. Scott	3823758	Detection of the Anti-Androgenic Effect of Endocrine Disrupting Environmental Contaminants Using In Vivo and In Vitro Assays in the Three-Spined Stickleback	Aquat. Toxicol.81(3): 220-229	2006	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Not reported	Fresh water	Not reported	NR	1	28	Day(s)	NOEC	Behavior	Behavioral changes, general	Not reported	Formulation	0.72	mg/L	Kruse,W., and K.F. Schuze	3823758	Long-Range Effect of Sublethal Amounts of the Herbicide Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden u.Hyg.27:231-239	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	1	10	Day(s)	NOEC	Genetics	Androgen receptor beta mRNA	Kidney	Formulation	0.28	mg/L	Hagos,N.S., M.J. Gallant, and M.R. Van den Heuvel	3823758	Effects of Androgen-Dependent Gene Expression in the Three-Spined Stickleback (Gasterosteus aculeatus)	Environ. Toxicol. Chem.31(6): 1391-139	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	1	10	Day(s)	NOEC	Genetics	Spiggin mRNA	Kidney	Formulation	0.28	mg/L	Hagos,N.S., M.J. Gallant, and M.R. Van den Heuvel	3823758	Effects of Androgen-Dependent Gene Expression in the Three-Spined Stickleback (Gasterosteus aculeatus)	Environ. Toxicol. Chem.31(6): 1391-139	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>=99	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Flow-through	Measured	Salt water	Lab	2	21	Day(s)	NOEC	Biochemistry	Spiggin	Kidney	Active ingredient	0.0103	mg/L	Jolly,C., I. Katsiadaki, S. Morris, N. Le Belle, S. Dufour, I. Mayer, T.G. Pottinger, and A.P. Scott	3823758	Detection of the Anti-Androgenic Effect of Endocrine Disrupting Environmental Contaminants Using In Vivo and In Vitro Assays in the Three-Spined Stickleback	Aquat. Toxicol.81(3): 220-229	2006	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Hagos,N.S., M.J. Gallant, and M.R. Van den Heuvel	3823758	Effects of Androgen-Dependent Gene Expression in the Three-Spined Stickleback (Gasterosteus aculeatus)	Environ. Toxicol. Chem.31(6): 1391-139	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>=99	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	>=7	21	Day(s)	NR	Mortality	Mortality	Not reported	Active ingredient	NR	ng/L	Pottinger,T.G., I. Katsiadaki, C. Jolly, M. Sanders, I. Mayer, A.P. Scott, S. Morris, A. Kerckhaing, and M. Schulze	3855586	Androgens Act Jointly in Suppressing Spiggin Concentrations in Androgen-Primed Female Three-Spined Sticklebacks - Prediction of Combined	Aquat. Toxicol 165/141-143-156	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	NR	Not reported	NR	Histology	Histological changes, general	Not reported	Formulation	0.49	mg/L	Lakota, S., A. Rzacka, J. Raczkowski, S. Hilard, P. Kosinski, and J. Stefan	3823758	Determination of the Toxicity of Effects-Linuron, Monolinuron and Monuron for Carp Fry in the Acute Test	Med. Weter.36(2): 20-22	1977	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	1	10	Day(s)	NR	Morphology	Organ weight in relationship to body weight	Kidney	Formulation	0.28	mg/L	Hagos,N.S., M.J. Gallant, and M.R. Van den Heuvel	3823758	Effects of Androgen-Dependent Gene Expression in the Three-Spined Stickleback (Gasterosteus aculeatus)	Environ. Toxicol. Chem.31(6): 1391-139	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	1	10	Day(s)	NR	Growth	Growth, general	Whole organism	Formulation	0.28	mg/L	Hagos,N.S., M.J. Gallant, and M.R. Van den Heuvel	3823758	Effects of Androgen-Dependent Gene Expression in the Three-Spined Stickleback (Gasterosteus aculeatus)	Environ. Toxicol. Chem.31(6): 1391-139	2012	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	>1	Month(s)	Not reported	Renewal	Measured	Fresh water	Lab	2	21	Day(s)	NR	Biochemistry	Spiggin	Kidney	Formulation	NR	ng/L	Katsiadaki, I., S. Morris, C. Squires, M.R. Hurst, J.D. James, and A.P. Scott	3823758	Use of the Three-Spined Stickleback (Gasterosteus aculeatus) as a Sensitive In Vivo Test for Detection of Environmental Antiandrogens	Environ. Health Perspect.114(Suppl 1): 114-121	2006	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>=99	Gasterosteus aculeatus	Threespine Stickleback	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	>=7	21	Day(s)	NR	Behavior	Behavioral changes, general	Not reported	Active ingredient	NR	ng/L	Pottinger,T.G., I. Katsiadaki, C. Jolly, M. Sanders, I. Mayer, A.P. Scott, S. Morris, A. Kerckhaing, and M. Schulze	3855586	Androgens Act Jointly in Suppressing Spiggin Concentrations in Androgen-Primed Female Three-Spined Sticklebacks - Prediction of Combined	Aquat. Toxicol 165/141-143-156	2015	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	28	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation	>50	mg/L	Kruse,W., and K.F. Schuze	3823758	Long-Range Effect of Sublethal Amounts of the Herbicide Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden u.Hyg.27:231-239	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	2	Year(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	1	2	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	8.14	mg/L	Lyskà,H., and J. Marcinek	3823758	Multiple Toxic Effect of Simultaneous Exposure to Some Chemical Substances on Fish	Roczniki Nauk. Ser. H Rybactwo.90(3): 33-63	1972	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	120	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	10.00	mg/L	Kruse,W., and K.F. Schuze	3823758	Long-Range Effect of Sublethal Amounts of the Herbicide Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden u.Hyg.27:231-239	1967	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	2	Year(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	1	2	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	10.0	mg/L	Lyskà,H., and J. Marcinek	3823758	Multiple Toxic Effect of Simultaneous Exposure to Some Chemical Substances on Fish	Roczniki Nauk. Ser. H Rybactwo.90(3): 33-63	1972	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not cited	NR, Q	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NC	Not cited	Not cited	Static	Not cited	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not cited	Active ingredient	0.089	mg/L	U.S. Environmental Protection Agency	3367	Pesticide Ecotoxicity Database (Formerly: Environmental Fate and Effects Division)	U.S.EPA, Washington, D.C.	1990	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not cited	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NC	Not cited	Not cited	Static	Not cited	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not cited	Not cited	86.43	mg/L	U.S. Environmental Protection Agency	3367	Pesticide Ecotoxicity Database (Formerly: Environmental Fate and Effects Division)	U.S.EPA, Washington, D.C.	1990	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical
59365-xx-x	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	1	4	Day(s)	NOEC	Physiology	Gill epithelial cell	Olfactory	Active ingredient	0.0103	mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	3859586	Olfactory Responses in Three Salmonids Exposed to Pesticides Found in Urban and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt	Toxicology.211(1-2): 175-187	2005	Drug; chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0069	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0104	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0104	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Flow-through	Not coded	Not coded	Lab	NC	80	Day(s)	NOEC	No Effect	Endpoint reported without a specific effect	Not coded	Active ingredient	<0.042	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0035	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0174	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0069	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0035	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0208	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0139	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	4	35	Day(s)	NOEC	Immunological	Phagocytosis	Leukocytes	Formulation	0.24	AI mg/L	Falk,H.F., R.D. Negele, and R. Goerlich	95412	Phagocytosis Activity as an In Vitro Test for the Effects of Chronic Exposure of Rainbow Trout to Linuron, a Herbicide	J. Appl. Ichthyol.6(4): 231-236	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0139	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0174	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0069	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	3	0.0208	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	50	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	5.6	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	96.2	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Active ingredient	2.09	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Histology	Histological changes, general	Multiple tissue/organ	Formulation	NR	AI mg/L	Lindauer,U.	17505	Light- and Electron Microscopical Studies on the Subacute Toxicity of Linuron on Rainbow Trout (Oncorhynchus mykiss)	Ph.D.Thesis, Ludwig-Maximillians University, Muenchen, Germany:153 p.	1991	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	4	35	Day(s)	NR	Immunological	Phagocytosis	Leukocytes	Formulation	NR	AI mg/L	Falk,H.F., R.D. Negele, and R. Goerlich	95412	Phagocytosis Activity as an In Vitro Test for the Effects of Chronic Exposure of Rainbow Trout to Linuron, a Herbicide	J. Appl. Ichthyol.6(4): 231-236	1990	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Fingerling	Flow-through	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Cell(s)	Cell changes	Liver	Formulation	NR	AI mg/L	Braunbeck,T.	18554	Detection of Environmentally Relevant Concentrations of Toxic Organic Compounds Using Histological and Cytological Parameters: Substance-Specificity in the Reaction of Rainbow Trout Liver?	In: R.Muller and R.Lloyd (Eds.), Sublethal and Chronic Effects of Pollutants on Freshwater Fish, Fishing News Books, London2:15-29	1994	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Juvenile	Flow-through	Unmeasured	Fresh water	Lab	6	0	Day(s)	NR	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	NR	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	6	NR	Day(s)	NR	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	NR	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99.96	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	35	Day(s)	NR	Genetics	Genetics, general	Multiple tissue/organ	Active ingredient	NR	AI mg/L	Oulmi,Y., R.D. Negele, and T. Braunbeck	16320	Cytopathology of Liver and Kidney in Rainbow Trout Oncorhynchus mykiss After Long-Term Exposure to Sublethal Concentrations of Linuron	Dis. Aquat. Org.21(1): 35-52	1995	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	20	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	>10	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	15	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Fabacher,D.L., and H. Chambers	946	Resistance to Herbicides in Insecticide-Resistant Mosquitofish, Gambusia	Environ. Lett.7(1): 15-20	1974	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0208	Day(s)	IC50	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.0127	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0139	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0208	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0035	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0174	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0104	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0069	Day(s)	LOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.01	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0174	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0104	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0174	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0069	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0208	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0104	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0139	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0035	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0208	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0035	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0139	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.1	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	3	0.0069	Day(s)	NOEC	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	0.001	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	99	Oncorhynchus nerka	Sockeye Salmon	Fish; U.S. Threatened and Endangered Species	NR	Not reported	Parr	Flow-through	Unmeasured	Fresh water	Lab	6	NR	Day(s)	NR	Physiology	trans-epithelial voltage gradient	Olfactory	Active ingredient	NR	AI mg/L	Tierney,K.B., P.S. Ross, and C.J. Kennedy	90046	Linuron and Carbaryl Differentially Impair Baseline Amino Acid and Bile Salt Olfactory Responses in Three Salmonids	Toxicology231(2-3): 175-187	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.002	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	56	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0013	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ceratophyllum demersum	Coon-Tail	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	35	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.001	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Active ingredient	0.0009	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0017	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ranunculus longirostris	Longbeak Buttercup	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0017	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	28	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0015	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	35	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0014	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	5	Day(s)	EC50	Population	Abundance	Not reported	Active ingredient	0.007	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313-326	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	EC50	Population	Population changes, general	Not reported	Active ingredient	0.0025	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ceratophyllum demersum	Coon-Tail	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	35	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0087	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0117	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Active ingredient		0.0058	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	EC50	Population	Biomass	Not reported	Active ingredient		0.0075	M mg/L	Van den Brink,P.J., E.M. Hartgers, U. Feltwell, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Endpoints	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0088	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab		21	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation		0.0525	M mg/L	Van den Brink,P.J.,	90433	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	2012	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0066	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		56	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0105	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	>99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Growth	Growth rate	Not reported	Active ingredient		0.0205	M mg/L	Siddiky,G., A.S. Stavrakaki, and E.I. White	38711	Lemna minor and Vallisnisfolens	Chemosphere119:569-574	2015	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0058	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab		21	Day(s)	EC50	Population	Biomass	Not reported	Formulation		0.0047	M mg/L	Van den Brink,P.J.,	90433	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	2012	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0153	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ranunculus longirostris	Longbeak Buttercup	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0153	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		28	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0048	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		56	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0085	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.05	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0056	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ranunculus longirostris	Longbeak Buttercup	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.102	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		21	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Active ingredient		0.095	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0093	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Ceratophyllum demersum	Coon-Tail	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0077	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		56	Day(s)	EC50	Population	Photosynthesis	Not reported	Active ingredient		0.052	M mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69617	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Plant Biomass	Final Rep., U.S.EPA, Annapolis, MD.202 p.	1983	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	EC50	Population	Photosynthesis	Not reported	Active ingredient		0.008	M mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69617	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Plant Biomass	Final Rep., U.S.EPA, Annapolis, MD.202 p.	1983	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab		56	Day(s)	EC50	Population	Biomass	Mixed	Active ingredient		0.005	M mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69617	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Plant Biomass	Final Rep., U.S.EPA, Annapolis, MD.202 p.	1983	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	EC50	Population	Photosynthesis	Not reported	Active ingredient		0.105	M mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69617	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Plant Biomass	Final Rep., U.S.EPA, Annapolis, MD.202 p.	1983	Group. chemical
59101-98-3	Technical grade, technical product, technical formulation	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	EC50	Growth	Biomass	Mixed	Active ingredient		0.0105	M mg/L	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Submersed Macrophytes Potamogeton perfoliatus and Myriophyllum spicatum, in an Outdoor Environment	Aquat. Toxicol.9.(3/4). 190-195	1987	Group. chemical
59101-98-3	Technical grade, technical product, technical formulation	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	EC50	Growth	Biomass	Mixed	Active ingredient		0.0105	M mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11165	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Submersed Macrophytes Potamogeton perfoliatus and Myriophyllum spicatum, in an Outdoor Environment	Aquat. Toxicol.9.(3/4). 190-195	1987	Group. chemical
59101-98-3	Not reported	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	56	Day(s)	EC50	Population	Biomass	Not reported	Active ingredient		0.0063	M mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69617	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Plant Biomass	Final Rep., U.S.EPA, Annapolis, MD.202 p.	1983	Group. chemical
59101-98-3	Technical grade, technical product, technical formulation	Not reported	NR	Euclena pechuata	Eggs Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		0.125	Day(s)	EC50	Physiology	Photosynthesis	Not reported	Active ingredient		0.0095	M mg/L	Rioning,W.J., M.S. Adiaack, and J.J. Morrel	7037	Photosynthesis and Respiration of Euglena Pendulated Photoregime Exposed to Herbicides	ASTM Spec. Tech. Publ.3.939-957	1990	Group. chemical
59101-98-3	Technical grade, technical product, technical formulation	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	EC50	Growth	Biomass	Mixed	Active ingredient		0.0105	M mg/L	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Submersed Macrophytes Potamogeton perfoliatus and Myriophyllum spicatum, in an Outdoor Environment	Aquat. Toxicol.9.(3/4). 190-195	1987	Group. chemical
59101-98-3	Technical grade, technical product, technical formulation	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Permeability, tissue, membrane	Not reported	Active ingredient		0.025	M mg/L	O'Brien,M.C. and G.N. Pressdeville	6964	Effect of Herbicides on Cell Membrane Permeability in Lemna minor	Weed Res.19(6): 331-336	1979	Group. chemical
59101-98-3	Not reported	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab		21	Day(s)	EC50	Population	Biomass	Not reported	Formulation		0.005	M mg/L	Van den Brink,P.J.,	90433	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	2012	Group. chemical
59101-98-3	Not reported	Not reported	NR	Phaseolus	Bean	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Field artificial	Lab		1	Day(s)	LD50	Population	Abundance	Not reported	Active ingredient		0.0001	M mg/L	Van den Brink,N.W., S.E.M. Hartgers, U. Feltwell, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Endpoints	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Group. chemical
59101-98-3	Not reported	Not reported	NR	Phaseolus	Bean	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Field artificial	Lab		1	Day(s)	LD50	Population	Abundance	Not reported	Active ingredient		0.0001	M mg/L	Van den Brink,N.W., M.M.F. Rodrigues, P.J. Van den Brink, and S.J.H. Noguera	11710	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2). 416-433	2009	Group. chemical
59101-98-3	Not reported	Not reported	NR	Phaseolus	Bean	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Field artificial	Lab		1	Day(s)	LD50	Population	Abundance	Not reported	Active ingredient		0.0001	M mg/L	Van den Brink,N.W., M.M.F. Rodrigues, P.J. Van den Brink, and S.J.A. Noguera	11710	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2). 416-433	2009	Group. chemical
59101-98-3	Not reported	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab		21	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0058	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	Not reported	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0058	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	Analytical grade		>99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	LD50	Population	Abundance	Not reported	Active ingredient		0.025	M mg/L	Hakon,P., and M. Hoffe	72750	The Microbial Degradation of ¹⁴C-Isoxaflutole Concentrations of Linuron Eliminated by a Lemna minor Bioassay	Proceedings of the 1999 Brighton Crop Prot.Conf., Nov.15-35, 2001, Nr. Brighton, UK.737-742	2007	Group. chemical
59101-98-3	Not reported	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab		77	Day(s)	LD50	Population	Chlorophyll A concentration	Not reported	Formulation		0.116	M mg/L	Van den Brink,P.J.	90433	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	2012	Group. chemical
59101-98-3	Not reported	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		7	Day(s)	LD50	Growth	Dose	Not reported	Formulation		0.0159027729	M mg/L	Hakon,P., V. Mmoe, P. Lodmin, P. Hakon,P., V. Mmoe, P. Lodmin, P. Hakon,P., and M. Hoffe	90433	Microscale Concentrations of Linuron	Environ. Microbiol.4(8): 427-557	2002	Group. chemical
59101-98-3	Not reported	Not reported	NR	Phaseolus	Bean	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Field artificial	Lab		1	Day(s)	LD50	Population	Abundance	Not reported	Active ingredient		0.0001	M mg/L	Van den Brink,N.W., M.M.F. Rodrigues, P.J. Van den Brink, and S.J.A. Noguera	11710	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2). 416-433	2009	Group. chemical
59101-98-3	Not reported	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab		21	Day(s)	NOEC	Population	Biomass	Not reported	Formulation		0.0058	M mg/L	Van den Brink,P.J.	90433	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands 178 p.	2012	Group. chemical
59101-98-3	Not reported	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0058	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	Technical grade, technical product, technical formulation		NR	Ulliksenia americana	Water-Celery, Tapegrass	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Culture	Flow-through	Unmeasured	Fresh water	Lab		>96	Day(s)	NOEC	Population	Biomass	Not reported	Active ingredient		0.042	M mg/L	Nalluh,R.A.	35243	A Study of the Subchronic Effects of the Herbicide Linuron on the Submerged Aquatic Plant Vallisneria americana L.	M.S.Thesis, Yke American Univ.-74 p.	1983	Group. chemical
59101-98-3	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aloidea rustalbi	Rustalf Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab		7	Day(s)	NOEC	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation		0.0058	M mg/L	Snel,J.F.H., J.H. Vos, R. Dybrick, and T.C.M. Brock	72814	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Toxicol.32(2). 113-123	1995	Group. chemical
59101-98-3	Not reported	Not reported	NR	Phaseolus	Bean	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		1	Day(s)	NOEC	Population	Biomass	Not reported	Active ingredient		0.0001	M mg/L	Van den Brink,N.W., S.E.M. Hartgers, U. Feltwell, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Endpoints	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Group. chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	42	Day(s)	NOEC	Population	Biomass	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	13	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	56	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., P.J. Van den Brink, and A.J.A. Nogueira	117110	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	1	Day(s)	NOEC	Physiology	Permeability, tissue, membrane	Not reported	Active ingredient	0.25	AI mg/L	O'Brien,M.C., and G.N. Prendeville	6963	Effect of Herbicides on Cell Membrane Permeability in Lemna minor	Weed Res.19(6): 331-334	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	84	Day(s)	NOEC	Population	Cover, canopy	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Biomass	Not reported	Formulation	0.015	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	56	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., P.J. Van den Brink, and A.J.A. Nogueira	117110	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	63	Day(s)	NOEC	Population	Cover, canopy	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	2	Day(s)	NOEC	Physiology	Permeability, tissue, membrane	Not reported	Active ingredient	0.025	AI mg/L	O'Brien,M.C., and G.N. Prendeville	6963	Effect of Herbicides on Cell Membrane Permeability in Lemna minor	Weed Res.19(6): 331-334	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	0.5	Day(s)	NOEC	Physiology	Permeability, tissue, membrane	Not reported	Active ingredient	0.25	AI mg/L	O'Brien,M.C., and G.N. Prendeville	6963	Effect of Herbicides on Cell Membrane Permeability in Lemna minor	Weed Res.19(6): 331-334	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	154	Day(s)	NOEC	Population	Cover, canopy	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Stuckenia pectinata	Sago Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	0.125	Day(s)	NOEC	Physiology	Photosynthesis	Not reported	Active ingredient	0.00005	AI mg/L	Fleming,W.J., M.S. Ailstock, and J.J. Momot	70739	Net Photosynthesis and Respiration of Sago Pondweed (Potamogeton pectinatus) Exposed to Herbicides	ASTM Spec. Tech. Publ.3:303-317	1995	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Stuckenia pectinata	Sago Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	0.125	Day(s)	NOEC	Physiology	Respiration	Not reported	Active ingredient	0.00195	AI mg/L	Fleming,W.J., M.S. Ailstock, and J.J. Momot	70739	Net Photosynthesis and Respiration of Sago Pondweed (Potamogeton pectinatus) Exposed to Herbicides	ASTM Spec. Tech. Publ.3:303-317	1995	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	56	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., P.J. Van den Brink, and A.J.A. Nogueira	117110	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.015	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	119	Day(s)	NOEC	Population	Cover, canopy	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	21	Day(s)	NOEC	Population	Cover, canopy	Not reported	Active ingredient	<0.05	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	77	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	7	Day(s)	NOEL	Population	Abundance	Not reported	Active ingredient	0.01	AI mg/L	Hulsen,K., and M. Hofte	72754	The Microbial Degradation of nM-/microM Concentrations of Linuron Estimated by a Lemna minor Bioassay	Proc.of a Symp.on Pesticide Behaviour in Soils and Water, Organized by the Br.Crop Prot.Counc., Nov.13-15, 2001, No.78, Brighton, UK:157-162	2001	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	7	Day(s)	NOEL	Population	Abundance	Not reported	Active ingredient	0.32	AI mg/L	Hulsen,K., and M. Hofte	72754	The Microbial Degradation of nM-/microM Concentrations of Linuron Estimated by a Lemna minor Bioassay	Proc.of a Symp.on Pesticide Behaviour in Soils and Water, Organized by the Br.Crop Prot.Counc., Nov.13-15, 2001, No.78, Brighton, UK:157-162	2001	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	7	Day(s)	NOEL	Growth	Area	Not reported	Formulation	0.009963864	AI mg/L	Hulsen,K., V. Minne, P. Lootens, P. Vandecasteele, and M. Hofte	96063	A Chlorophyll a Fluorescence-Based Lemna minor Bioassay to Monitor Microbial Degradation of Nanomolar to Micromolar Concentrations of Linuron	Environ. Microbiol.4(6): 327-337	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	28	Day(s)	NOEL	Population	Chlorophyll A concentration	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	154	Day(s)	NOEL	Population	Biomass	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Juncus sp.	Bog-Rush	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Najas sp.	Water Nymph	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Eichhornia sp.	Water Hyacinth	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Salvinia sp.	Floating Moss	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cynodon sp.	Bermudagrass	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton sp.	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea sp.	Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	NR	Growth	Biomass	Shoot	Active ingredient	0.0044	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna perpusilla	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	11	7	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	30	AI mg/L	Nishiuchi,Y.	15281	Control Effect of Pesticide to Duckweed	Bull. Agric. Chem. Insp. Stn. (Tokyo)14:69-72	1974	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	NR	Growth	Biomass	Shoot	Active ingredient	0.0011	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	2	Day(s)	NR	Biochemistry	Fluorescence	Not reported	Active ingredient	NR	AI mg/L	Hulsen,K., and M. Hofte	72754	The Microbial Degradation of nM-/microM Concentrations of Linuron Estimated by a Lemna minor Bioassay	Proc.of a Symp.on Pesticide Behaviour in Soils and Water, Organized by the Br.Crop Prot.Counc., Nov.13-15, 2001, No.78, Brighton, UK:157-162	2001	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	NR	Day(s)	NR	Injury	Damage	Not reported	Formulation	NR	oz/acre	Parker,C.	52990	A Rapid Bio-Assay Method for the Detection of Herbicides Which Inhibit Photosynthesis	Weed Res.5:181-184	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	>1	Day(s)	NR	Accumulation	Residue	Whole organism	Active ingredient	NR	AI mg/L	Crum,S.J.H., A.M.M. Van Kammen-Polman, and M. Leistra	20580	Sorption of Nine Pesticides to Three Aquatic Macrophytes	Arch. Environ. Contam. Toxicol.37(3): 310 316	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	NR	Physiology	Photosynthesis	Not reported	Active ingredient	NR	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton perfoliatus	Pondweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	NR	Physiology	Respiration	Not reported	Active ingredient	NR	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	7	Day(s)	NR	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Hulsen,K., and M. Hofte	72754	The Microbial Degradation of nM-/microM Concentrations of Linuron Estimated by a Lemna minor Bioassay	Proc.of a Symp.on Pesticide Behaviour in Soils and Water, Organized by the Br.Crop Prot.Counc., Nov.13-15, 2001, No.78, Brighton, UK:157-162	2001	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna perpusilla	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Not reported	NR	Population	Population changes, general	Not reported	Formulation	NR	AI mg/L	Ogawa,M., and H. Kitamura	3228	Biological Assay of Plant Growth-Regulating Compounds Using Lemnaceae Plants	Annu.Rep.Sankyo Res.Lab.(Sankyo Kenkyusho Nempo)40:91-99	1988	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	2	Day(s)	NR	Biochemistry	Fluorescence	Not reported	Active ingredient	NR	AI mg/L	Hulsen,K., and M. Hofte	72754	The Microbial Degradation of nM-/microM Concentrations of Linuron Estimated by a Lemna minor Bioassay	Proc.of a Symp.on Pesticide Behaviour in Soils and Water, Organized by the Br.Crop Prot.Counc., Nov.13-15, 2001, No.78, Brighton, UK:157-162	2001	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	NR	Day(s)	NR	Injury	Damage	Not reported	Formulation	NR	oz/acre	Parker,C.	52990	A Rapid Bio-Assay Method for the Detection of Herbicides Which Inhibit Photosynthesis	Weed Res.5:181-184	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Elodea nuttallii	Nuttall Waterweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., E.M. Hartgers, U. Fettweis, S.J.H. Crum, E. Van Donk, and T.C.M. Brock	18629	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 13-24	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Analytical grade	99	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	2	Day(s)	NR	Biochemistry	Fluorescence	Not reported	Active ingredient	NR	AI mg/L	Hulsen,K., and M. Hofte	72754	The Microbial Degradation of nM-/microM Concentrations of Linuron Estimated by a Lemna minor Bioassay	Proc.of a Symp.on Pesticide Behaviour in Soils and Water, Organized by the Br.Crop Prot.Counc., Nov.13-15, 2001, No.78, Brighton, UK:157-162	2001	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	NR	Day(s)	NR	Injury	Damage	Not reported	Formulation	NR	oz/acre	Parker,C.	52990	A Rapid Bio-Assay Method for the Detection of Herbicides Which Inhibit Photosynthesis	Weed Res.5:181-184	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	97.6	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	14	Day(s)	EC50	Population	Abundance	Not coded	Active ingredient	0.0273	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna sp.	Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	0.45	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	97.6	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	14	Day(s)	NOEL	Population	Abundance	Not coded	Active ingredient	0.00965	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna sp.	Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	364	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	>1	Day(s)	NR	Accumulation	Residue	Whole organism	Active ingredient	NR	AI mg/L	Crum,S.J.H., A.M.M. Van Kammen-Polman, and M. Leistra	20580	Sorption of Nine Pesticides to Three Aquatic Macrophytes	Arch. Environ. Contam. Toxicol.37(3): 310 316	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Relative growth rate	Shoot	Active ingredient	0.947	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Length	Shoot	Active ingredient	0.0056	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Length	Root	Active ingredient	0.283	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Relative growth rate	Shoot	Active ingredient	0.019	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Number of roots	Not reported	Active ingredient	0.0001	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton crispus	Curled Pondweed	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.001	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC10	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0007	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Length	Root	Active ingredient	0.0055	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Length	Shoot	Active ingredient	0.298	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Weight	Shoot	Active ingredient	0.021	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Length	Shoot	Active ingredient	0.858	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Length	Shoot	Active ingredient	0.0171	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Weight	Shoot	Active ingredient	1.048	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Relative growth rate	Whole organism	Active ingredient	1.036	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Relative growth rate	Whole organism	Active ingredient	0.0213	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC10	Growth	Number of roots	Not reported	Active ingredient	0.333	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Length	Shoot	Active ingredient	1.247	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Number of roots	Not reported	Active ingredient	0.0087	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Weight	Shoot	Active ingredient	1.115	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Relative growth rate	Shoot	Active ingredient	0.0253	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Number of roots	Not reported	Active ingredient	0.788	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Length	Root	Active ingredient	0.792	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Weight	Shoot	Active ingredient	0.0223	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Relative growth rate	Whole organism	Active ingredient	1.095	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0118	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton crispus	Curled Pondweed	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.0129	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Length	Shoot	Active ingredient	1.077	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Length	Root	Active ingredient	0.0159	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Relative growth rate	Whole organism	Active ingredient	0.0227	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Length	Shoot	Active ingredient	0.0255	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Relative growth rate	Shoot	Active ingredient	1.228	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	EC50	Growth	Length	Shoot	Active ingredient	0.0218	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.194	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamogeton crispus	Curled Pondweed	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC90	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Formulation	0.173	AI mg/L	Snel,J.F.H., J.H. Vos, R. Gylstra, and T.C.M. Brock	72828	Inhibition of Photosystem II (PSII) Electron Transport as a Convenient Endpoint to Assess Stress of the Herbicide Linuron on Freshwater Plants	Aquat. Ecol.32(2): 113-123	1998	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Weight	Root	Active ingredient	5	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Length	Root	Active ingredient	4611	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Length	Shoot	Active ingredient	10059	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Weight	Whole organism	Active ingredient	11694	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Weight	Shoot	Active ingredient	11598	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Length	Shoot	Active ingredient	4732	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Number of roots	Not reported	Active ingredient	5164	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Growth	Relative growth rate	Shoot	Active ingredient	10769	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER10	Morphology	Quantity	Shoot	Active ingredient	2890	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Weight	Root	Active ingredient	9771	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Morphology	Quantity	Shoot	Active ingredient	70325	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Length	Shoot	Active ingredient	11885	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Relative growth rate	Shoot	Active ingredient	13137	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Number of roots	Not reported	Active ingredient	9545	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Weight	Whole organism	Active ingredient	12222	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Length	Shoot	Active ingredient	13249	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Weight	Shoot	Active ingredient	12064	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	ER50	Growth	Length	Root	Active ingredient	9582	ug/kg dry wt org	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	IC01	Population	Photosynthesis	Not reported	Active ingredient	0.008	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	IC01	Population	Photosynthesis	Not reported	Active ingredient	0.011	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	IC01	Population	Biomass	Shoot	Active ingredient	0.016	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	IC50	Physiology	Photosynthesis	Not reported	Active ingredient	0.08	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	IC50	Population	Biomass	Shoot	Active ingredient	0.137	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	IC50	Growth	Biomass	Shoot	Active ingredient	0.137	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	IC50	Population	Photosynthesis	Not reported	Active ingredient	0.08	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	LOEC	Growth	Length	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	LOEC	Growth	Length	Shoot	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	LOEC	Growth	Weight	Root	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	LOEC	Growth	Length	Root	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	LOEC	Growth	Length	Shoot	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	56	Day(s)	LOEC	Growth	Weight	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	84	Day(s)	LOEC	Growth	Weight	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	28	Day(s)	LOEC	Growth	Weight	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	LOEC	Growth	Weight	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	LOEC	Growth	Length	Root	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	LOEC	Growth	Length	Shoot	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	LOEC	Growth	Weight	Root	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	LOEC	Growth	Weight	Shoot	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	LOEC	Growth	Weight	Shoot	Active ingredient	0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	LOEC	Growth	Number of roots	Not reported	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Growth	Weight	Root	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Morphology	Quantity	Shoot	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Growth	Weight	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Growth	Length	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Growth	Weight	Root	Active ingredient	0.00076	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Growth	Weight	Shoot	Active ingredient	0.00076	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Growth	Weight	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Growth	Length	Root	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Growth	Length	Shoot	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Growth	Length	Shoot	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Growth	Length	Root	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	28	Day(s)	NOEC	Growth	Weight	Not reported	Active ingredient	<0.05	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	84	Day(s)	NOEC	Growth	Weight	Not reported	Active ingredient	<0.05	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	56	Day(s)	NOEC	Growth	Weight	Not reported	Active ingredient	<0.05	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Morphology	Quantity	Shoot	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Growth	Number of roots	Not reported	Active ingredient	0.00076	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Morphology	Quantity	Shoot	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Growth	Length	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Growth	Length	Shoot	Active ingredient	0.00907	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Growth	Length	Shoot	Active ingredient	0.00076	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Growth	Number of roots	Not reported	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	21	Day(s)	NOEC	Growth	Number of roots	Not reported	Active ingredient	<0.001	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	7	Day(s)	NOEC	Growth	Weight	Root	Active ingredient	>0.02259	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	14	Day(s)	NOEC	Growth	Length	Root	Active ingredient	0.00076	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Commercial grade	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	2	5	Day(s)	NOEL	Development	Slowed, Retarded, Delayed or Non-development	Not reported	Active ingredient	<=100	AI mg/L	Christoper,S.V., and K.T. Bird	95760	The Effects of Herbicides on Development of Myriophyllum spicatum L. Cultured In Vitro	J. Environ. Qual.21(2): 203-207	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum aquaticum	Parrot Feather Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	728	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Sporeling	Leaching	Measured	Fresh water	Lab	6	NR	Day(s)	NR	Accumulation	Residue	Shoot	Active ingredient	NR	AI mg/L	Buresova,H., S.J.H. Crum, J.D.M. Belgers, P.I. Adriaanse, and G.H.P. Arts	165048	Effects of Linuron on a Rooted Aquatic Macrophyte in Sediment-Dosed Test Systems	Environ. Pollut.175:117-124	2013	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	NR	Growth	Biomass	Shoot	Active ingredient	0.012	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	28	Day(s)	NR	Physiology	Photosynthesis	Not reported	Active ingredient	NR	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	NR	Growth	Biomass	Shoot	Active ingredient	0.07	AI mg/L	Kemp,W.M., W.R. Boynton, J.J. Cunningham, J.C. Stevenson, T.W. Jones, and J.C. Means	11142	Effects of Atrazine and Linuron on Photosynthesis and Growth of the Macrophytes, Potamogeton perfoliatus L. and Myriophyllum spicatum L. in an Estuarine Environment	Aquat. Toxicol.9(2/3): 190-191	1985	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Myriophyllum spicatum	Eurasian Watermilfoil	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	35	Day(s)	NR	Physiology	Respiration	Not reported	Active ingredient	NR	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Means, R.R. Twilley, and T.W. Jones	69627	Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance	Final Rep., U.S.EPA, Annapolis, MD:202 p.	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Alternanthera philoxeroides	Alligator-Weed	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	2	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	2	AI mg/L	Lawrence,J.M.	14132	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	50	Chironomus plumosus	Midge	Insects/Spiders	3	Instar	Instar	Static	Not reported	Fresh water	Lab	NR	2	Day(s)	EC50	Intoxication	Immobile	Not reported	Active ingredient	4.3	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	95.1	Chironomus plumosus	Midge	Insects/Spiders	3	Instar	Instar	Static	Not reported	Fresh water	Lab	NR	2	Day(s)	EC50	Intoxication	Immobile	Not reported	Active ingredient	2.9	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aedes aegypti	Yellow Fever Mosquito	Insects/Spiders	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation	26	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aedes aegypti	Yellow Fever Mosquito	Insects/Spiders	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	290	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aedes aegypti	Yellow Fever Mosquito	Insects/Spiders	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	85	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.25	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	22	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anax imperator	Dragonfly	Insects/Spiders	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	<154	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Anax imperator	Dragonfly	Insects/Spiders	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	<154	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	<0.05	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	<=100	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	>10	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Spirostomum ambiguum	Protozoa	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Mortality	Mortality	Not reported	Formulation	75.2	AI mg/L	Nalecz-Jawecki,G., E. Kucharczyk, and J. Sawicki	69821	The Sensitivity of Protozoan Spirostomum ambiguum to Selected	Fresenius Environ. Bull.11(2): 98-101	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Spirostomum ambiguum	Protozoa	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	44	AI mg/L	Nalecz-Jawecki,G., E. Kucharczyk, and J. Sawicki	69821	The Sensitivity of Protozoan Spirostomum ambiguum to Selected	Fresenius Environ. Bull.11(2): 98-101	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.015	AI mg/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	18630	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.015	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lecane bulla	Rotifer	Invertebrates	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	5	21	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	NR	AI mg/L	Daam,M.A., and P.J. Van den Brink	101436	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm	Arch. Environ. Contam. Toxicol.53(1): 22-35	2007	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	77	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.005	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.005	AI mg/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	18630	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lecane closterocerca	Rotifer	Invertebrates	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	55	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Trichocerca sp.	Rotifer	Invertebrates	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	55	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	55	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	>0.5	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Invertebrates	Invertebrates	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NR	Population	Abundance	Not reported	Formulation	NR	AI mg/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	18630	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Acanthamoeba castellanii	Amoeba	Invertebrates	6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	10	AI mg/L	Prescott,L.M., M.K. Kubovec, and D. Tryggestad	7625	The Effects of Pesticides, Polychlorinated Biphenyls and Metals on the Growth and Reproduction of	Bull. Environ. Contam. Toxicol.18(1): 29-34	1977	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Invertebrates	Invertebrates	Invertebrates	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	49	Day(s)	NR	Population	Diversity, Evenness	Not reported	Active ingredient	1	AI mg/L	Stephenson,R.R., and D.F. Kane	11658	Persistence and Effects of Chemicals in Small Enclosures in Ponds	Arch. Environ. Contam. Toxicol.13(3): 313-326	1984	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Brachionus calyciflorus	Rotifer	Invertebrates; Standard Test Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	7	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.15	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Brachionus calyciflorus	Rotifer	Invertebrates; Standard Test Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	7	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	14	Day(s)	EC50	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.036	AI mg/L	Kersting,K., and R.P.A. Van Wijngaarden	50916	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2865	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	21	Day(s)	EC50	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.08	AI mg/L	Kersting,K., and R.P.A. Van Wijngaarden	50916	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2865	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	7	Day(s)	EC50	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.021	AI mg/L	Kersting,K., and R.P.A. Van Wijngaarden	50916	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2865	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	21	Day(s)	LOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.005	AI mg/L	Kersting,K., and R.P.A. Van Wijngaarden	50916	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2865	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	7	Day(s)	LOEC	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.015	AI mg/L	Kersting,K., and R.P.A. Van Wijngaarden	50916	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2865	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Animalia	Animal Kingdom	Miscellaneous	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	5	14	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Daam,M.A., A.M.F. Rodrigues, P.J. Van den Brink, and A.J.A. Nogueira	117109	Ecological Effects of the Herbicide Linuron in Tropical Freshwater	Ecotoxicol. Environ. Saf.72(2): 410-423	2009	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	63	Day(s)	LOEC	Population	Diversity, Evenness	Not reported	Active ingredient	<0.01	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	14	Day(s)	LOEC	Ecosystem process	System respiration	Whole organism	Formulation	>0.05	AI mg/L	Kersting,K., and R.P.A. Van Wijngaarden	50916	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2865	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	5	84	Day(s)	LOEC	Population	Diversity, Evenness	Not reported	Active ingredient	<0.01	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Deads	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	5	56	Day(s)	LOEC	Ecosystem process	Ecosystem processes, general	Not reported	Active ingredient	0.05	AI mg/L	Dalen.M.A., P.J. Van den Brink, and S.J.A. Nogueira	117143	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	70	Day(s)	LOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.025	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	LOEC	Biochemistry	Lipit	Whole organism	Formulation	0.025	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	5	56	Day(s)	LOEC	Ecosystem process	Ecosystem processes, general	Not reported	Active ingredient	0.05	AI mg/L	Dalen.M.A., P.J. Van den Brink, and S.J.A. Nogueira	117143	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	28	Day(s)	LOEC	Biochemistry	Lipit	Whole organism	Formulation	0.025	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	LOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	7	Day(s)	LOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	28	Day(s)	LOEC	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Physiology	Photosynthesis	Not reported	Formulation	0.0005	AI mg/L	Guggen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	108130	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and Community Composition	Ecotoxicol. Environ. Saf.38(1): 21-35	1997	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Animalia	Animal Kingdom	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	5	56	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Dalen.M.A., P.J. Van den Brink, and S.J.A. Nogueira	117143	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	NOEC	Biochemistry	Lipit	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	28	Day(s)	NOEC	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Animalia	Animal Kingdom	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	5	56	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	0.05	AI mg/L	Dalen.M.A., A.M.F. Rodrigues, P.J. Van den Brink, and S.J.A. Nogueira	117143	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Tropical Freshwater Microcosms and Outdoor Mesocosms Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 432-443	2009	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	63	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	28	Day(s)	NOEC	Biochemistry	Lipit	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	5	56	Day(s)	LOEC	Ecosystem process	Ecosystem processes, general	Not reported	Active ingredient	0.05	AI mg/L	Dalen.M.A., P.J. Van den Brink, and S.J.A. Nogueira	117143	Comparison of Fate and Ecological Effects of the Herbicide Linuron in Freshwater Model Ecosystems Between Tropical and Temperate Regions	Ecotoxicol. Environ. Saf.72(2): 424-433	2009	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	NOEC	Ecosystem process	Gross primary productivity/respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plantae	Miscellaneous	NR	Not reported	Not reported	Not reported	Environmental, unspecified	Unmeasured	Fresh water	Field artificial	NR	5	63	Day(s)	NOEC	Population	Diversity, Evenness	Not reported	Active ingredient	0.005	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	93000	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. II. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2866-2871	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	7	Day(s)	NOEC	Biochemistry	Lipit	Whole organism	Formulation	0.0005	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	7	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.0005	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plantae	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	NR	5	63	Day(s)	NOEC	Population	Diversity, Evenness	Not reported	Active ingredient	0.005	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	93000	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. II. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2866-2871	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	7	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Not reported	Fresh water	Field artificial	NR	5	21	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.05	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Non-measured	Fresh water	Field artificial	NR	5	21	Day(s)	NOEC	Ecosystem process	System respiration	Whole organism	Formulation	0.0005	AI mg/L	Kersting K., and R.P.A. Van Wijngaarden	90514	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. I. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2859-2861	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plantae	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	NR	5	63	Day(s)	NOEC	Population	Diversity, Evenness	Not reported	Active ingredient	0.005	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	93000	Effects of a Pulsed Treatment with the Herbicide Alister (Active Ingredient Linuron) on Microphyte-Dominated Freshwaters. II. Responses of Ecosystem Metabolism	Environ. Toxicol. Chem.18(12): 2866-2871	1999	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	NR	5	Day(s)	NR	Ecosystem process	Biogeochemical	Not reported	Active ingredient	NR	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Ninorp, R.R. Twilley, and T.W. Jones	6991	Submerged Aquatic Vegetation in Lower Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Vegetation	Final Rep., U.S.EPA, Annapolis, MD-202	1983	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Static	Renewed	Unmeasured	Fresh water	Lab	NR	NR	28	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., R.M. Hartgers, U. Feltwerk, S.J.H. Crum, E. Van Dank, and T.C.M. Brock	108130	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 11-24	1997	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Chordata	Chordate Phylum	Miscellaneous	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	2.08	Day(s)	NR	Population	Biomass	Not reported	Formulation	50	lb/acre	Lawrence,J.M.	51	Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Technical grade, technical product, technical formulation	80	Plantae	Plantae	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	NR	56	Day(s)	NR	Population	Abundance	Not reported	Active ingredient	1.25	mg/L	Stephenson,R.R., and D.F. Kaw	1134	Avoidance and Effects of Chemicals on Fish	Arch. Environ. Contam. Toxicol.19(5): 615-624	1990	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	NR	NR	5	Day(s)	NR	Ecosystem process	Biogeochemical	Not reported	Active ingredient	NR	AI mg/L	Kemp,W.M., W.R. Boynton, J.C. Stevenson, J.C. Ninorp, R.R. Twilley, and T.W. Jones	6991	Submerged Aquatic Vegetation in Lower Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Vegetation	Final Rep., U.S.EPA, Annapolis, MD-202	1983	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Plantae	Plantae	Miscellaneous	NR	Not reported	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field artificial	NR	2.08	Day(s)	NR	Population	Biomass	Not reported	Formulation	50	lb/acre	Lawrence,J.M.	51	Graphic Presentation of Aquatic Herbicide Data	Proc. South. Weed Conf.18:568-573	1965	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	28	Day(s)	NR	Population	Diversity, Evenness	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., R.M. Hartgers, U. Feltwerk, S.J.H. Crum, E. Van Dank, and T.C.M. Brock	108130	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 11-24	1997	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	7	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Active ingredient	NR	AI mg/L	Van den Brink,P.J., R.M. Hartgers, U. Feltwerk, S.J.H. Crum, E. Van Dank, and T.C.M. Brock	108130	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. I. Primary Producers	Ecotoxicol. Environ. Saf.38(1): 11-24	1997	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lymnaea stagnalis	Great Pond Snail	Mollusca	NR	Not reported	Not reported	Static	Not reported	Not reported	Fresh water	Not reported	NR	1	10	Day(s)	LC10	Mortality	Mortality	Not reported	Formulation	50	AI mg/L	Kruuf,W., and E.P. Schuler	9514	Long-Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on Some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.57:231-239	1977	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lymnaea stagnalis	Great Pond Snail	Mollusca	NR	Not reported	Not reported	Static	Not reported	Not reported	Fresh water	Not reported	NR	1	10	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Kruuf,W., and E.P. Schuler	9514	Long-Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on Some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.57:231-239	1977	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Planorbis corneus	Great Ramshorn Snail	Mollusca	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	10	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	>50	AI mg/L	Kruuf,W., and E.P. Schuler	9514	Long-Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on Some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.57:231-239	1977	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lymnaea stagnalis	Great Pond Snail	Mollusca	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	10	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	75	AI mg/L	Kruuf,W., and E.P. Schuler	9514	Long-Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on Some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.57:231-239	1977	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Mollusca	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Guggen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	108130	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and Community Composition	Ecotoxicol. Environ. Saf.38(1): 21-35	1997	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Mollusca	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	7	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96300	Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	1993	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Mollusca	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96300	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	1993	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Mytilus californianus	Mussel	Mollusca	NR	Not reported	Not reported	Not reported	Not reported	Not reported	Not reported	Not reported	NR	1	152	Day(s)	LOEC	Development	Sexual development	Not reported	Formulation	0.0001	AI mg/L	European Union	121958	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focusing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00119, Brussels, Environment and Sustainable Development, European Union:58 p.	2004	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Mollusca	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	28	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96300	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	1993	Drop: chemical
93000-71-7	N'-(1,3-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lymnaea stagnalis	Great Pond Snail	Mollusca	NR	Not reported	Not reported	Flow-through	Not reported	Fresh water	Not reported	NR	28	Day(s)	NOEC	Growth	Weight	Not reported	Formulation	5	AI mg/L	Kruuf,W., and E.P. Schuler	9514	Long-Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on Some Representative Water Fauna and Flora	Schriften: Ver. Wasser Boden Lufthyg.57:231-239	1977	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Bithynia sp.	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	>0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Bithynia sp.	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	>0.15	AI mg/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	18630	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Lymnaea stagnalis	Great Pond Snail	Molluscs	NR	Not reported	Not reported	Flow-through	Not reported	Fresh water	Not reported	NR	28	Day(s)	NOEC	Growth	Weight	Not reported	Formulation	1	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Marisa cornuarietis	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	7	152.2	Day(s)	NOEC	Development	Sexual development	Not reported	Formulation	0.00003	AI mg/L	European Union	121038	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focussing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00129, Energy, Environment and Sustainable Development, European Union:58 p.	2006	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	18630	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Bithynia sp.	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	91	Day(s)	NOEL	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	91	Day(s)	NOEL	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Crassostrea virginica	American Or Virginia Oyster	Molluscs; Standard Test Species	NC	Not coded	Embryo	Static	Not coded	Salt water	Lab	NC	2	Day(s)	EC50	Intoxication	Immobile	Not coded	Active ingredient	5.4	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not coded	98.4	Crassostrea virginica	American Or Virginia Oyster	Molluscs; Standard Test Species	NC	Not coded	Embryo	Static	Not coded	Salt water	Lab	NC	2	Day(s)	NOEL	Intoxication	Immobile	Not coded	Active ingredient	3.6	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamopyrgus antipodarum	Snail	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	NR	Day(s)	EC10	Reproduction	Progeny counts/numbers	Not reported	Formulation	0.00168	AI mg/L	European Union	121038	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focussing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00129, Energy, Environment and Sustainable Development, European Union:58 p.	2006	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamopyrgus antipodarum	Snail	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	NR	Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Formulation	0.003	AI mg/L	European Union	121038	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focussing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00129, Energy, Environment and Sustainable Development, European Union:58 p.	2006	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamopyrgus antipodarum	Snail	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	NR	Day(s)	LOEC	Development	Abnormal	Not reported	Formulation	0.00003	AI mg/L	European Union	121038	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focussing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00129, Energy, Environment and Sustainable Development, European Union:58 p.	2006	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamopyrgus antipodarum	Snail	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	NR	Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Formulation	0.001	AI mg/L	European Union	121038	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focussing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00129, Energy, Environment and Sustainable Development, European Union:58 p.	2006	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Potamopyrgus antipodarum	Snail	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	NR	Day(s)	NOEC	Development	Abnormal	Not reported	Formulation	<0.00003	AI mg/L	European Union	121038	Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles Focussing on Androgenic/Antiandrogenic Compounds	EU Contract No. EVK1-CT-2002-00129, Energy, Environment and Sustainable Development, European Union:58 p.	2006	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubifex sp.	Tubificid Worm	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC0	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Planaria gonocephala	Planarian	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia tigrina	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubifex sp.	Tubificid Worm	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC100	Mortality	Mortality	Not reported	Formulation	50	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Planaria gonocephala	Planarian	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubifex sp.	Tubificid Worm	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	16	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia tigrina	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Static	Not reported	Fresh water	Not reported	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubificidae	Oligochaete Family	Worms	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	<154	Day(s)	LOEC	Population	Abundance	Not reported	Active ingredient	<0.1	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia sp.	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	77	Day(s)	LOEC	Population	Abundance	Not reported	Formulation	0.05	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubificidae	Oligochaete Family	Worms	NR	Not reported	Not reported	Environmental, unspecified	Measured	Fresh water	Field artificial	5	<154	Day(s)	NOEC	Population	Abundance	Not reported	Active ingredient	<0.05	AI mg/L	Van Geest,G.J., N.G. Zwaardemaker, R.P.A. Van Wijngaarden, and J.G.M. Cuppen	55087	Effects of a Pulsed Treatment with the Herbicide Afalon (Active Ingredient Linuron) on Macrophyte-Dominated Mesocosms. II. Structural Responses	Environ. Toxicol. Chem.18(12): 2866-2874	1999	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubifex sp.	Tubificid Worm	Worms	NR	Not reported	Not reported	Flow-through	Not reported	Fresh water	Not reported	NR	28	Day(s)	NOEC	Growth	Weight	Not reported	Formulation	1	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia sp.	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	77	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	0.015	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia sp.	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	>0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Tubifex sp.	Tubificid Worm	Worms	NR	Not reported	Not reported	Flow-through	Not reported	Fresh water	Not reported	NR	28	Day(s)	NOEC	Growth	Weight	Not reported	Formulation	0.1	AI mg/L	Knauf,W., and E.F. Schulze	9113	Long Range Effect of Sublethal Amounts of the Herbicides Linuron and Monolinuron on some Representative Water Fauna and Flora	Schriftenr. Ver. Wasser Boden Lufthyg.37:231-239	1972	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia gonocephala	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	NOEC	Population	Abundance	Not reported	Formulation	>0.15	AI mg/L	Cuppen,J.G.M., P.J. Van den Brink, H. Van der Woude, N. Zwaardemaker, and T.C.M. Brock	18630	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron II. Community Metabolism and	Ecotoxicol. Environ. Saf.38(1): 25-35	1997	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dero sp.	Oligochaete	Worms	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	91	Day(s)	NOEL	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
330552	N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea	Not reported	NR	Dugesia tigrina	Turbellarian, Flatworm	Worms	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	6	91	Day(s)	NOEL	Population	Abundance	Not reported	Formulation	0.15	AI mg/L	Van den Brink,P.J.	96385	Ecological and Statistical Evaluation of Effects of Pesticides in Freshwater Model Ecosystems	Ph.D.Thesis., Agricultural Univ., Wageningen, Netherlands:178 p.	2002	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Plecoglossus altivelis	Ayu	Fish	NR	Not reported	Juvenile	Intramuscular	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LD50	Mortality	Mortality	Not reported	Dissolved	123	AI mg/kg bdwt	Nakai,T., T. Kanno, E.R. Cruz, and K. Muroga	9943	The Effects of Iron Compounds on the Virulence of Vibrio anguillarum in Japanese Eels and Ayu	Fish Pathol.22(4): 185-189	1987	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla japonica	Japanese Eel	Fish	NR	Not reported	Larva	Intramuscular	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LD50	Mortality	Mortality	Not reported	Dissolved	80	AI mg/kg bdwt	Nakai,T., T. Kanno, E.R. Cruz, and K. Muroga	9943	The Effects of Iron Compounds on the Virulence of Vibrio anguillarum in Japanese Eels and Ayu	Fish Pathol.22(4): 185-189	1987	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla japonica	Japanese Eel	Fish	NR	Not reported	Larva	Intramuscular	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Residue	Blood	Dissolved	NR	AI mg/kg bdwt	Nakai,T., T. Kanno, E.R. Cruz, and K. Muroga	9943	The Effects of Iron Compounds on the Virulence of Vibrio anguillarum in Japanese Eels and Ayu	Fish Pathol.22(4): 185-189	1987	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Accumulation	Residue	Whole organism	Total	~200	AI mg/L	Thomas,A.	2865	Effects of Certain Metallic Salts upon Fishes	Trans. Am. Fish. Soc.44(2): 120-124	1915	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Mortality	Survival	Not reported	Total	~200	AI mg/L	Thomas,A.	2865	Effects of Certain Metallic Salts upon Fishes	Trans. Am. Fish. Soc.44(2): 120-124	1915	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla anguilla	Common Eel	Fish	NR	Not reported	Juvenile	Intraperitoneal	Unmeasured	Salt water	Lab	2	11	Day(s)	NR	Immunological	Infected	Not reported	Total	~9	AI mg/kg bdwt	Esteve,C., E. Alcaide, and R. Urena	167566	The Effect of Metals on Condition and Pathologies of European Eel (Anguilla anguilla): In Situ and Laboratory Experiments	Aquat. Toxicol.109:176-184	2012	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla anguilla	Common Eel	Fish	NR	Not reported	Juvenile	Intraperitoneal	Unmeasured	Salt water	Lab	2	11	Day(s)	NR	Immunological	Infected	Not reported	Total	~9	AI mg/kg bdwt	Esteve,C., E. Alcaide, and R. Urena	167566	The Effect of Metals on Condition and Pathologies of European Eel (Anguilla anguilla): In Situ and Laboratory Experiments	Aquat. Toxicol.109:176-184	2012	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla anguilla	Common Eel	Fish	NR	Not reported	Juvenile	Intraperitoneal	Unmeasured	Salt water	Lab	2	11	Day(s)	NR	Immunological	Infected	Not reported	Total	~9	AI mg/kg bdwt	Esteve,C., E. Alcaide, and R. Urena	167566	The Effect of Metals on Condition and Pathologies of European Eel (Anguilla anguilla): In Situ and Laboratory Experiments	Aquat. Toxicol.109:176-184	2012	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla anguilla	Common Eel	Fish	NR	Not reported	Juvenile	Intraperitoneal	Unmeasured	Salt water	Lab	2	11	Day(s)	NR	Immunological	Infected	Not reported	Total	~9	AI mg/kg bdwt	Esteve,C., E. Alcaide, and R. Urena	167566	The Effect of Metals on Condition and Pathologies of European Eel (Anguilla anguilla): In Situ and Laboratory Experiments	Aquat. Toxicol.109:176-184	2012	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Anguilla anguilla	Common Eel	Fish	NR	Not reported	Juvenile	Intraperitoneal	Unmeasured	Salt water	Lab	2	11	Day(s)	NR	Immunological	Infected	Not reported	Total	~9	AI mg/kg bdwt	Esteve,C., E. Alcaide, and R. Urena	167566	The Effect of Metals on Condition and Pathologies of European Eel (Anguilla anguilla): In Situ and Laboratory Experiments	Aquat. Toxicol.109:176-184	2012	Drop: chemical
1185575	2-hydroxy-1,2,3-Propanetricarboxylic acid, ammonium iron(3+) salt (1:?:?)	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.1667	Day(s)	NR	Ecosystem process	Primary productivity	Not reported	Total	NR	AI mg/L	Jayaraj,Y.M., B. Aparanji, and P.M. Nimbargi	8019	Amelioration of Heavy Metal Toxicity on Primary Productivity of Aquatic Ecosystems by Calcium, Magnesium and Iron	Environ. Ecol.10(3): 667-674	1992	Drop: chemical
1309337	Ferric hydroxide	Not reported	NR	Luxilus cornutus	Common Shiner	Fish	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	14	Day(s)	NR	Biochemistry	Hematological parameters (Temporary AQUIRE code)	Not reported	Total	2	AI mg/L	Brenner,F.J., S. Corbett, and R. Shertzer	7735	Effect of Ferric Hydroxide Suspension on Blood Chemistry in the Common Shiner, Notropus cornutus	Trans. Am. Fish. Soc.105(3): 450-455	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Fingerling	Lentic	Unmeasured	Fresh water	Field artificial	NR	180	Day(s)	NR	Growth	Growth, general	Not reported	Total	NR	AI mg/L	Steffens,W., T. Mattheis, and M. Riedel	4032	Field Observations on the Production of Rainbow Trout (Oncorhynchus mykiss) Under high Concentrations of Water-Borne Iron	Aquat. Sci.55(3):173-178	1993	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Fingerling	Lentic	Unmeasured	Fresh water	Field artificial	NR	365	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Steffens,W., T. Mattheis, and M. Riedel	4032	Field Observations on the Production of Rainbow Trout (Oncorhynchus mykiss) Under high Concentrations of Water-Borne Iron	Aquat. Sci.55(3):173-178	1993	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0074	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.5	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0074	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.15	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0074	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.5	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.15	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.5	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	25	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.15	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Kidney	Total	0.0074	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.15	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Viscera	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Kidney	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Kidney	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
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1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	25	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
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1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	25	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
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1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	25	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
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1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
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1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.5	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	25	Day(s)	BCF	Accumulation	Residue	Viscera	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Viscera	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
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1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.5	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.0074	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	1	Day(s)	NR	Accumulation	Accumulation, general	Multiple tissue/organ	Total	0.15	Al mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	17326	The Kinetics of Accumulation and Excretion of Ferric Hydroxide in Mytilus edulis (L.) and Its Distribution in the Tissues	J. Exp. Mar. Biol. Ecol.23:71-84	1976	Drop: endpoint
1309337	Ferric hydroxide	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Mature	Renewal	Unmeasured	Salt water	Lab	NR	6	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Total	0.15	Al mg/L	George,S.G., and T.L. Coombs	6285	Effects of high Stability Iron-Complexes on the Kinetics of Iron Accumulation and Excretion in Mytilus edulis (L.)	J. Exp. Mar. Biol. Ecol.28(2): 133-140	1977	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	EC10	Development	Deformation	Not reported	Total	>1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	EC50	Development	Deformation	Not reported	Total	>1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	LOEC	Growth	Length	Whole organism	Total	1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	LOEC	Growth	Length	Whole organism	Total	1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	NOEC	Growth	Length	Whole organism	Total	100	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	NOEC	Growth	Length	Whole organism	Total	100	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	NOEC	Development	Deformation	Not reported	Total	1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	NOEC	Development	Stage	Not reported	Total	1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1000	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Nieuwkoop-faber-stage	Embryo	Renewal	Unmeasured	Fresh water	Lab	7	4	Day(s)	NR	Accumulation	Residue	Not reported	Total	NR	Al mg/L	Nations,S., M. Wages, J.E. Canas, J. Maul, C. Theodorakis, and G.P. Cobb	164986	Acute Effects of Fe2O3, TiO2, ZnO and CuO Nanomaterials on Xenopus laevis	Chemosphere83(8): 1053-1061	2011	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	200	Al mg/L	Hu,J., D. Wang, B.E. Forthaus, and J. Wang	165681	Quantifying the Effect of Nanoparticles on As(V) Ecotoxicity Exemplified by Nano-Fe2O3 (Magnetic) and Nano-Al2O3	Environ. Toxicol. Chem.31(12): 2870-2876	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	2	NR	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	2	NR	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	6	NR	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Adult	Static	Unmeasured	Fresh water	Lab	1	0.25	Day(s)	NR	Accumulation	Residue	Whole organism	Total	50	Al mg/L	Hu,J., D. Wang, J. Wang, and J. Wang	160554	Bioaccumulation of Fe2O3(Magnetic) Nanoparticles in Ceriodaphnia dubia	Environ. Pollut.162:216-222	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	Al mg/L	Hu,J., D. Wang, B.E. Forthaus, and J. Wang	165681	Quantifying the Effect of Nanoparticles on As(V) Ecotoxicity Exemplified by Nano-Fe2O3 (Magnetic) and Nano-Al2O3	Environ. Toxicol. Chem.31(12): 2870-2876	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	Al mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	Al mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.25	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	Al mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>40	Al mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: duration
1309371	Iron oxide (Fe2O3)	Not reported	>=98	Paracentrotus lividus	Sea Urchin, Echinoderm	Invertebrates	NR	Not reported	Adult	Gavage	Unmeasured	Salt water	Lab	3	5	Day(s)	LOEC	Biochemistry	78 kDa glucose-regulated protein	Coelomocytes	Total	0.1	Al mg/kg bdwt	Falugi,C., M.G. Aluigi, M.C. Chiantore, D. Privitera, P. Ramoino, M.A. Gatti, A. Fabrizi, A. Pinsino, and V. Matranga	159188	Toxicity of Metal Oxide Nanoparticles in Immune Cells of the Sea Urchin	Mar. Environ. Res.76:114-121	2012	Drop: saltwater
1309371	Iron oxide (Fe2O3)	Not reported	>=98	Paracentrotus lividus	Sea Urchin, Echinoderm	Invertebrates	NR	Not reported	Adult	Gavage	Unmeasured	Salt water	Lab	3	5	Day(s)	LOEC	Biochemistry	Heat shock protein 70	Coelomocytes	Total	0.1	Al mg/kg bdwt	Falugi,C., M.G. Aluigi, M.C. Chiantore, D. Privitera, P. Ramoino, M.A. Gatti, A. Fabrizi, A. Pinsino, and V. Matranga	159188	Toxicity of Metal Oxide Nanoparticles in Immune Cells of the Sea Urchin	Mar. Environ. Res.76:114-121	2012	Drop: saltwater
1309371	Iron oxide (Fe2O3)	Not reported	>=98	Paracentrotus lividus	Sea Urchin, Echinoderm	Invertebrates	NR	Not reported	Adult	Gavage	Unmeasured	Salt water	Lab	3	NR	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	10	Al mg/kg bdwt	Falugi,C., M.G. Aluigi, M.C. Chiantore, D. Privitera, P. Ramoino, M.A. Gatti, A. Fabrizi, A. Pinsino, and V. Matranga	159188	Toxicity of Metal Oxide Nanoparticles in Immune Cells of the Sea Urchin	Mar. Environ. Res.76:114-121	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	>=98	Paracentrotus lividus	Sea Urchin, Echinoderm	Invertebrates	NR	Not reported	Adult	Gavage	Unmeasured	Salt water	Lab	3	5	Day(s)	NR	Histology	Ultrastructural changes	Coelomocytes	Total	0.1	Al mg/kg bdwt	Falugi,C., M.G. Aluigi, M.C. Chiantore, D. Privitera, P. Ramoino, M.A. Gatti, A. Fabrizi, A. Pinsino, and V. Matranga	159188	Toxicity of Metal Oxide Nanoparticles in Immune Cells of the Sea Urchin	Mar. Environ. Res.76:114-121	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	>=98	Paracentrotus lividus	Sea Urchin, Echinoderm	Invertebrates	NR	Not reported	Adult	Gavage	Unmeasured	Salt water	Lab	3	5	Day(s)	NR	Enzyme(s)	Enzyme activity	Coelomocytes	Total	0.1	Al mg/kg bdwt	Falugi,C., M.G. Aluigi, M.C. Chiantore, D. Privitera, P. Ramoino, M.A. Gatti, A. Fabrizi, A. Pinsino, and V. Matranga	159188	Toxicity of Metal Oxide Nanoparticles in Immune Cells of the Sea Urchin	Mar. Environ. Res.76:114-121	2012	Drop: endpoint
1309371	Iron oxide (Fe2O3)	Not reported	>=98	Paracentrotus lividus	Sea Urchin, Echinoderm	Invertebrates	NR	Not reported	Adult	Gavage	Unmeasured	Salt water	Lab	3	5	Day(s)	NR	Accumulation	Residue	Coelomocytes	Total	0.1	Al mg/kg bdwt	Falugi,C., M.G. Aluigi, M.C. Chiantore, D. Privitera, P. Ramoino, M.A. Gatti, A. Fabrizi, A. Pinsino, and V. Matranga	159188	Toxicity of Metal Oxide Nanoparticles in Immune Cells of the Sea Urchin	Mar. Environ. Res.76:114-121	2012	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
1317379	Ferrous sulfide	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>10000	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
1317379	Ferrous sulfide	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>10000	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
1317379	Ferrous sulfide	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>10000	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
1345251	Iron oxide (FeO)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>10000	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
1345251	Iron oxide (FeO)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>10000	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
1345251	Iron oxide (FeO)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>10000	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Oedogonium cardiacum	Green Algae	Algae	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	27	Day(s)	BCF	Accumulation	Residue	Not reported	Total	1	AI mg/L	Woolson,E.A., A.R. Isensee, and P.C. Kearney	14415	Distribution and Isolation of Radioactivity from 74As-Arsenate and 14C-Methanearsonic Acid in an Aquatic Model Ecosystem	Pestic. Biochem. Physiol.6(3): 261-269	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0556	Day(s)	LOEC	Physiology	Photosynthesis	Not reported	Total	0.08148015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0833	Day(s)	LOEC	Physiology	Photosynthesis	Not reported	Total	0.08148015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	9	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	18	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	12	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	3	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	6	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0278	Day(s)	NOEC	Physiology	Photosynthesis	Not reported	Total	81.48015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0694	Day(s)	NOEC	Physiology	Respiration	Not reported	Total	81.48015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	21	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	5	15	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	0.1629603	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0556	Day(s)	NOEC	Physiology	Respiration	Not reported	Total	81.48015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0417	Day(s)	NOEC	Physiology	Respiration	Not reported	Total	81.48015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0694	Day(s)	NOEC	Physiology	Photosynthesis	Not reported	Total	81.48015	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Physiology	Photosynthesis	Not reported	Active ingredient	0.01	AI mg/L	Kosinski,R.J., and M.G. Merkle	11864	The Effect of Four Terrestrial Herbicides on the Productivity of Artificial Stream Algal Communities	J. Environ. Qual.13(1): 75-82	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Euglena gracilis	Flagellate Euglenoid	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Formulation	97	AI mg/L	Richardson,J.T., R.E. Frans, and R.E. Talbert	6617	Reactions of Euglena gracilis to Fluometuron, MSMA, Metribuzin, and Glyphosate	Weed Sci.27(6): 619-624	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Euglena gracilis	Flagellate Euglenoid	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.0696	Day(s)	NR	Physiology	Photosynthesis	Not reported	Formulation	81	AI mg/L	Richardson,J.T., R.E. Frans, and R.E. Talbert	6617	Reactions of Euglena gracilis to Fluometuron, MSMA, Metribuzin, and Glyphosate	Weed Sci.27(6): 619-624	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	42	Day(s)	NR	Population	Biomass	Not reported	Active ingredient	0.01	AI mg/L	Kosinski,R.J.	10474	The Effect of Terrestrial Herbicides on the Community Structure of Stream Periphyton	Environ. Pollut. A.36(2): 165-189	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Euglena gracilis	Flagellate Euglenoid	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.0696	Day(s)	NR	Physiology	Photosynthesis	Not reported	Formulation	970	AI mg/L	Richardson,J.T., R.E. Frans, and R.E. Talbert	6617	Reactions of Euglena gracilis to Fluometuron, MSMA, Metribuzin, and Glyphosate	Weed Sci.27(6): 619-624	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	5.92	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	NR	AI mg/L	Blythe,T.O., S.M. Grooms, and R.E. Frans	6777	Determination and Characterization of the Effects of Fluometuron and MSMA on Chlorella	Weed Sci.27(3): 294-299	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Population	Diversity, Evenness	Not reported	Active ingredient	NR	AI mg/L	Kosinski,R.J.	10474	The Effect of Terrestrial Herbicides on the Community Structure of Stream Periphyton	Environ. Pollut. A.36(2): 165-189	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	21	Day(s)	NR	Physiology	Photosynthesis	Not reported	Active ingredient	10	AI mg/L	Kosinski,R.J., and M.G. Merkle	11864	The Effect of Four Terrestrial Herbicides on the Productivity of Artificial Stream Algal Communities	J. Environ. Qual.13(1): 75-82	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	42	Day(s)	NR	Population	Biomass	Not reported	Active ingredient	0.01	AI mg/L	Kosinski,R.J.	10474	The Effect of Terrestrial Herbicides on the Community Structure of Stream Periphyton	Environ. Pollut. A.36(2): 165-189	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Population	Biomass	Not reported	Active ingredient	NR	AI mg/L	Kosinski,R.J.	10474	The Effect of Terrestrial Herbicides on the Community Structure of Stream Periphyton	Environ. Pollut. A.36(2): 165-189	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0417	Day(s)	NR	Physiology	Photosynthesis	Not reported	Total	NR	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Population	Biomass	Not reported	Active ingredient	NR	AI mg/L	Kosinski,R.J.	10474	The Effect of Terrestrial Herbicides on the Community Structure of Stream Periphyton	Environ. Pollut. A.36(2): 165-189	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Euglena gracilis	Flagellate Euglenoid	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Physiology	Photosynthesis	Not reported	Formulation	97	AI mg/L	Richardson,J.T., R.E. Frans, and R.E. Talbert	6617	Reactions of Euglena gracilis to Fluometuron, MSMA, Metribuzin, and Glyphosate	Weed Sci.27(6): 619-624	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Euglena gracilis	Flagellate Euglenoid	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NR	Population	Population changes, general	Not reported	Formulation	97	AI mg/L	Richardson,J.T., R.E. Frans, and R.E. Talbert	6617	Reactions of Euglena gracilis to Fluometuron, MSMA, Metribuzin, and Glyphosate	Weed Sci.27(6): 619-624	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0278	Day(s)	NR	Physiology	Respiration	Not reported	Total	NR	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	>98	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	0.0833	Day(s)	NR	Physiology	Respiration	Not reported	Total	NR	AI mg/L	Davis,D.E., C.G.P. Pillai, and B. Truelove	19633	Effects of Prometryn, Diuron, Fluometuron, and MSMA on Chlorella and Two Fungi	Weed Sci.24(6): 587-593	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	EC50	Population	Abundance	Not coded	Not coded	5.63	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	5	Day(s)	NOEL	Population	Abundance	Not coded	Not coded	<0.3	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	0.0833	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	100000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	0.0833	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	100000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	10000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	5	Day(s)	NR	Mortality	Mortality	Not reported	Total	1000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR	Mortality	Mortality	Not reported	Total	10000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Mortality	Mortality	Not reported	Total	1000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Limnodynastes tasmaniensis	Frog	Amphibians	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	520	AI mg/L	Johnson,C.R.	7813	Herbicide Toxicities in Some Australian Anurans and the Effect of Subacute Dosages on Temperature Tolerance	Zool. J. Linn. Soc.59(1): 79-83	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	NR	Mortality	Mortality	Not reported	Total	10000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Hyla ewingi	Brown Tree Frog	Amphibians	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	400	AI mg/L	Johnson,C.R.	7813	Herbicide Toxicities in Some Australian Anurans and the Effect of Subacute Dosages on Temperature Tolerance	Zool. J. Linn. Soc.59(1): 79-83	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	47.74	Scaphiopus couchii	Couch's Spadefoot Toad	Amphibians	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	8	Day(s)	NR	Mortality	Mortality	Not reported	Total	1000	AI mg/L	Judd,F.W.	7514	Toxicity of Monosodium Methanearsonate Herbicide to Couch's Spadefoot Toad, Scaphiopus couchi	Herpetologica33(1): 44-46	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	EC50	Development	Abnormal	Not reported	Total	45.81	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	225	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1132.4	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	NR	Histology	Histological changes, general	Multiple sites	Total	NR	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Stage	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Development	Abnormal	Not reported	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	47.7	Xenopus laevis	African Clawed Frog	Amphibians; Standard Test Species	NR	Not reported	Embryo	Static	Unmeasured	Fresh water	Lab	2	4	Day(s)	NR	Growth	Length	Whole organism	Total	75	AI mg/L	Schultz,T.W., and J.N. Dumont	172949	Teratogenicity and Embryotoxicity of Monosodium Methanearsonate	Trans. Am. Microsc. Soc.103(3): 263-274	1984	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Muscle	Active ingredient	0.0011	AI mg/L	Abdelghani,A.A., A.C. Anderson, J. Hughes, and A.J. Englande	15109	Uptake, Distribution and Excretion of Monosodium Methanearsonate by Crawfish (Procambarus sp.)	In: M.Anke, H.J.Schneider, and C.Bruckner (Eds.), Spuren Element Symposium - Arsen, Universitat	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.51	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Muscle	Active ingredient	0.011	AI mg/L	Abdelghani,A.A., A.C. Anderson, J. Hughes, and A.J. Englande	15109	Uptake, Distribution and Excretion of Monosodium Methanearsonate by Crawfish (Procambarus sp.)	In: M.Anke, H.J.Schneider, and C.Bruckner (Eds.), Spuren Element Symposium - Arsen, Universitat	1980	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Not reported	Total	1	AI mg/L	Woolson,E.A., A.R. Isensee, and P.C. Kearney	14415	Distribution and Isolation of Radioactivity from 74As-Arsenate and 14C-Methanearsonic Acid in an Aquatic Model Ecosystem	Pestic. Biochem. Physiol.6(3): 261-269	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	NR	AI mg/L	Mason,J.W., A.A. Abdelghani, A.C. Anderson, and A.J. Englande	6025	A Study of the Distribution and Fate of MSMA in Crayfish and Blackberries	Res.Proj.No.74-1M, Tulane Univ.Dep.Environ.Health Sci., La.Dep.of Highways:86 p.	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	NR	AI mg/L	Mason,J.W., A.A. Abdelghani, A.C. Anderson, and A.J. Englande	6025	A Study of the Distribution and Fate of MSMA in Crayfish and Blackberries	Res.Proj.No.74-1M, Tulane Univ.Dep.Environ.Health Sci., La.Dep.of Highways:86 p.	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	0.2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.51	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	NR	AI mg/L	Mason,J.W., A.A. Abdelghani, A.C. Anderson, and A.J. Englande	6025	A Study of the Distribution and Fate of MSMA in Crayfish and Blackberries	Res.Proj.No.74-1M, Tulane Univ.Dep.Environ.Health Sci., La.Dep.of Highways:86 p.	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	0.2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.51	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	0.2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	0.2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	NR	AI mg/L	Mason,J.W., A.A. Abdelghani, A.C. Anderson, and A.J. Englande	6025	A Study of the Distribution and Fate of MSMA in Crayfish and Blackberries	Res.Proj.No.74-1M, Tulane Univ.Dep.Environ.Health Sci., La.Dep.of Highways:86 p.	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.51	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.51	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Active ingredient	NR	AI mg/L	Mason,J.W., A.A. Abdelghani, A.C. Anderson, and A.J. Englande	6025	A Study of the Distribution and Fate of MSMA in Crayfish and Blackberries	Res.Proj.No.74-1M, Tulane Univ.Dep.Environ.Health Sci., La.Dep.of Highways:86 p.	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	0.2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	0.2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	NR	AI mg/L	Mason,J.W., A.A. Abdelghani, A.C. Anderson, and A.J. Englande	6025	A Study of the Distribution and Fate of MSMA in Crayfish and Blackberries	Res.Proj.No.74-1M, Tulane Univ.Dep.Environ.Health Sci., La.Dep.of Highways:86 p.	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.51	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Hepatopancreas	Active ingredient	0.0011	AI mg/L	Abdelghani,A.A., A.C. Anderson, J. Hughes, and A.J. Englande	15109	Uptake, Distribution and Excretion of Monosodium Methanearsonate by Crawfish (Procambarus sp.)	In: M.Anke, H.J.Schneider, and C.Bruckner (Eds.), Spuren Element Symposium - Arsen, Universitat	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Formulation	2	AI mg/L	Abdelghani,A.A., J.W. Mason, A.C. Anderson, A.J. Englande, and J.E. Diem	5099	Bioconcentration of MSMA in Crayfish (Procambarus sp.)	Trace Subst. Environ. Health10:235-245	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	BCF	Accumulation	Residue	Hepatopancreas	Active ingredient	0.011	AI mg/L	Abdelghani,A.A., A.C. Anderson, J. Hughes, and A.J. Englande	15109	Uptake, Distribution and Excretion of Monosodium Methanearsonate by Crawfish (Procambarus sp.)	In: M.Anke, H.J.Schneider, and C.Bruckner (Eds.), Spuren Element Symposium - Arsen, Universitat	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	5100	AI mg/L	Anderson,A.C., A.A. Abdelghani, P.M. Smith, J.W. Mason, and A.J.,Jr. Englande	5647	The Acute Toxicity of MSMA to Black Bass (Micropterus dolomieu), Crayfish (Procambarus sp.) and Channel Catfish (Ictalurus lacustris)	Bull. Environ. Contam. Toxicol.14(3): 330-333	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus clarkii	Red Swamp Crayfish	Crustaceans	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	101	AI mg/L	Naqvi,S.M., R. Hawkins, and N.H. Naqvi	12802	Mortality Response and LC50 Values for Juvenile and Adult Crayfish, Procambarus clarkii Exposed to Thiodan (Insecticide), Treflan, Msma, Oust	Environ. Pollut.48(4): 275-283	1987	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	46.33	Procambarus clarkii	Red Swamp Crayfish	Crustaceans	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1025	AI mg/L	Green,R.M., and A.A. Abdelghani	93412	Toxicity of a Mixture of 2,4-Dichlorophenoxyacetic Acid and Monosodium Methanearsonate to the Red Swamp Crawfish, Procambarus	Int. J. Environ. Res. Public Health1(1): 35-38	2004	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Cypria sp.	Ostracod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	98.2	AI mg/L	Naqvi,S.M., V.O. Davis, and R.M. Hawkins	11476	Percent Mortalities and LC50 Values for Selected Microcrustaceans Exposed to Treflan, Cutrine-Plus, and MSMA Herbicides	Bull. Environ. Contam. Toxicol.35(1): 127-132	1985	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus clarkii	Red Swamp Crayfish	Crustaceans	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1019	AI mg/L	Naqvi,S.M., R. Hawkins, and N.H. Naqvi	12802	Mortality Response and LC50 Values for Juvenile and Adult Crayfish, Procambarus clarkii Exposed to Thiodan (Insecticide), Treflan, Msma, Oust	Environ. Pollut.48(4): 275-283	1987	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Alonella sp.	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	39.3	AI mg/L	Naqvi,S.M., V.O. Davis, and R.M. Hawkins	11476	Percent Mortalities and LC50 Values for Selected Microcrustaceans Exposed to Treflan, Cutrine-Plus, and MSMA Herbicides	Bull. Environ. Contam. Toxicol.35(1): 127-132	1985	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	1100	AI mg/L	Anderson,A.C., A.A. Abdelghani, P.M. Smith, J.W. Mason, and A.J.,Jr. Englande	5647	The Acute Toxicity of MSMA to Black Bass (Micropterus dolomieu), Crayfish (Procambarus sp.) and Channel Catfish (Ictalurus lacustris)	Bull. Environ. Contam. Toxicol.14(3): 330-333	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Diaptomus sp.	Calanoid Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	37.6	AI mg/L	Naqvi,S.M., V.O. Davis, and R.M. Hawkins	11476	Percent Mortalities and LC50 Values for Selected Microcrustaceans Exposed to Treflan, Cutrine-Plus, and MSMA Herbicides	Bull. Environ. Contam. Toxicol.35(1): 127-132	1985	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Eucyclops sp.	Cyclopoid Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	96.3	AI mg/L	Naqvi,S.M., V.O. Davis, and R.M. Hawkins	11476	Percent Mortalities and LC50 Values for Selected Microcrustaceans Exposed to Treflan, Cutrine-Plus, and MSMA Herbicides	Bull. Environ. Contam. Toxicol.35(1): 127-132	1985	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	>50	Day(s)	NR	Accumulation	Residue	Whole organism	Total	1.1	AI mg/L	Anderson,A.C., A.A. Abdelghani, and McDonell	15736	Fate of the Herbicide MSMA in Microcosms	In: D.D.Hemphill (Ed.), Trace Substances in Environmental Health, University of Missouri, Columbia, MO:274-284	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus clarkii	Red Swamp Crayfish	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Active ingredient	NR	AI mg/L	Naqvi,S.M., C.T. Flagge, and R.L. Hawkins	3273	Arsenic Uptake and Depuration by Red Crayfish, Procambarus clarkii, Exposed to Various Concentrations of Monosodium Methanearsonate (MSMA)	Bull. Environ. Contam. Toxicol.45(1): 94-100	1990	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	<63	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Anderson,A.C., A.A. Abdelghani, and McDonell	15736	Fate of the Herbicide MSMA in Microcosms	In: D.D.Hemphill (Ed.), Trace Substances in Environmental Health, University of Missouri, Columbia, MO:274-284	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus clarkii	Red Swamp Crayfish	Crustaceans	NR	Not reported	Multiple	Static	Unmeasured	Fresh water	Lab	NR	168	Day(s)	NR	Mortality	Hatch	Not reported	Formulation	100	AI mg/L	Naqvi,S.M., and C.T. Flagge	3274	Chronic Effects of Arsenic on American Red Crayfish, Procambarus clarkii, Exposed to Monosodium Metharnearsonate (MSMA) Herbicide	Bull. Environ. Contam. Toxicol.45(1): 101-106	1990	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Procambarus sp.	Crayfish	Crustaceans	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	56	Day(s)	NR	Mortality	Mortality	Not reported	Total	5.1	AI mg/L	Abdelghani,A.A.	5917	Uptake, Distribution and Loss of Monosodium Methane Arsonate by Crawfish Procambarus sp.	Ph.D.Thesis, Tulane Univ., New Orleans, LA:208 p.	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	29	Day(s)	BCF	Accumulation	Residue	Not reported	Total	1	AI mg/L	Woolson,E.A., A.R. Isensee, and P.C. Kearney	14415	Distribution and Isolation of Radioactivity from 74As-Arsenate and 14C-Methanearsonic Acid in an Aquatic Model Ecosystem	Pestic. Biochem. Physiol.6(3): 261-269	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	EC50	Intoxication	Immobile	Not coded	Not coded	77.5	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	99.44	Americamysis bahia	Opossum Shrimp	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Salt water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	173	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	99.44	Americamysis bahia	Opossum Shrimp	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Salt water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	93.5	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Intoxication	Immobile	Not coded	Not coded	12.3	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Gammarus fasciatus	Scud	Crustaceans; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Gammarus fasciatus	Scud	Crustaceans; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Mature	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Poecilia latipinna	Sailfin Molly	Fish	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	63	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Anderson,A.C., A.A. Abdelghani, and McDonell	15736	Fate of the Herbicide MSMA in Microcosms	In: D.D.Hemphill (Ed.), Trace Substances in Environmental Health, University of Missouri, Columbia, MO:274-284	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Poecilia latipinna	Sailfin Molly	Fish	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	63	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Anderson,A.C., A.A. Abdelghani, and McDonell	15736	Fate of the Herbicide MSMA in Microcosms	In: D.D.Hemphill (Ed.), Trace Substances in Environmental Health, University of Missouri, Columbia, MO:274-284	1979	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Poecilia latipinna	Sailfin Molly	Fish	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1600	AI mg/L	Abdelghani,A.A., A.C. Anderson, and D.B. McDonell	6180	Toxicity of Three Arsenical Compounds	Cancer Res.13(7): 31-32	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Micropterus dolomieu	Smallmouth Bass	Fish	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	900	AI mg/L	Anderson,A.C., A.A. Abdelghani, P.M. Smith, J.W. Mason, and A.J.,Jr. Englande	5647	The Acute Toxicity of MSMA to Black Bass (Micropterus dolomieu), Crayfish (Procambarus sp.) and Channel Catfish (Ictalurus lacustris)	Bull. Environ. Contam. Toxicol.14(3): 330-333	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Micropterus dolomieu	Smallmouth Bass	Fish	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	1660	AI mg/L	Anderson,A.C., A.A. Abdelghani, P.M. Smith, J.W. Mason, and A.J.,Jr. Englande	5647	The Acute Toxicity of MSMA to Black Bass (Micropterus dolomieu), Crayfish (Procambarus sp.) and Channel Catfish (Ictalurus lacustris)	Bull. Environ. Contam. Toxicol.14(3): 330-333	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Poecilia latipinna	Sailfin Molly	Fish	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1300	AI mg/L	Abdelghani,A.A., A.C. Anderson, and D.B. McDonell	6180	Toxicity of Three Arsenical Compounds	Cancer Res.13(7): 31-32	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Labeo rohita	Rohu	Fish	NR	Not reported	Fingerling	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	24	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1.5	AI mg/L	Yadava,N.K., S.S. Pahuja, and A. Bhatnagar	16007	Toxicity of Herbicides on Fingerlings (Labeo rohita Hamilton) and Weeds in Pond	In: Proceedings of an Indian Society of Weed Science International Symposium, Hisar, India3:250-253	1993	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Labeo rohita	Rohu	Fish	NR	Not reported	Fingerling	Lentic	Unmeasured	Fresh water	Field artificial	NR	24	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1.5	AI mg/L	Yadava,N.K., S.S. Pahuja, and A. Bhatnagar	16007	Toxicity of Herbicides on Fingerlings (Labeo rohita Hamilton) and Weeds in Pond	In: Proceedings of an Indian Society of Weed Science International Symposium, Hisar, India3:250-253	1993	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Labeo rohita	Rohu	Fish	NR	Not reported	Fingerling	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	15	AI mg/L	Yadava,N.K., S.S. Pahuja, and A. Bhatnagar	16007	Toxicity of Herbicides on Fingerlings (Labeo rohita Hamilton) and Weeds in Pond	In: Proceedings of an Indian Society of Weed Science International Symposium, Hisar, India3:250-253	1993	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Labeo rohita	Rohu	Fish	NR	Not reported	Fingerling	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Mortality	Mortality	Not reported	Total	100	AI mg/L	Yadava,N.K., S.S. Pahuja, and A. Bhatnagar	16007	Toxicity of Herbicides on Fingerlings (Labeo rohita Hamilton) and Weeds in Pond	In: Proceedings of an Indian Society of Weed Science International Symposium, Hisar, India3:250-253	1993	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	35.19	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	385	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	48.3	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	1290	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	37.7	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	49.2	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	13.3	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	48.3	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	675	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	51	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	2390	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	37.7	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	36.2	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
2163806	Methylarsonic acid, Monosodium salt	Not coded	48	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	>180	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	48.3	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	550	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	>47.5	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	37.7	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	26.8	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	51.2	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Technical grade, technical product, technical formulation	51	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	1210	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	13	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	12	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	4700	AI mg/L	Anderson,A.C., A.A. Abdelghani, P.M. Smith, J.W. Mason, and A.J.,Jr. Englande	5647	The Acute Toxicity of MSMA to Black Bass (Micropterus dolomieu), Crayfish (Procambarus sp.) and Channel Catfish (Ictalurus lacustris)	Bull. Environ. Contam. Toxicol.14(3): 330-333	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	>100	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	48.3	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	2460	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	16.2	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	51.2	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	3050	AI mg/L	Anderson,A.C., A.A. Abdelghani, P.M. Smith, J.W. Mason, and A.J.,Jr. Englande	5647	The Acute Toxicity of MSMA to Black Bass (Micropterus dolomieu), Crayfish (Procambarus sp.) and Channel Catfish (Ictalurus lacustris)	Bull. Environ. Contam. Toxicol.14(3): 330-333	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	37.7	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	49.2	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	99.44	Cyprinodon variegatus	Sheepshead Minnow	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Salt water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	323	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	35.19	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	1	Year(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	448	AI mg/L	Skelley,J.R.	759	Toxicity of 2-Sec-Butyl-4,6-Dinitrophenol (Dinoseb)and Monosodium Methanearsonate (MSMA), Individuallyand in a Mixture, to	Environ. Toxicol. Chem.8(7): 623-628	1989	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Juvenile	Renewal	Unmeasured	Fresh water	Lab	2	7	Day(s)	LOEC	Genetics	Gene expression	Liver	Total	1	AI mg/L	Schlenk,D., M. Chelius, L. Wolford, S. Khan, and K.M. Chan	114302	Characterization of Hepatic Metallothionein Expression in Channel Catfish (Ictalurus punctatus) by Reverse-Transcriptase Polymerase Chain	Biomarkers (Lond.)2(3): 161-167	1997	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	>47.5	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	100	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	99.44	Cyprinodon variegatus	Sheepshead Minnow	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Salt water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	170	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	16	Month(s)	Sexually mature	Renewal	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1	AI mg/L	Schlenk,D., L. Wolford, M. Chelius, J. Steevens, and K.M. Chan	3581	Effect of Arsenite, Arsenate, and the Herbicide Monosodium Methyl Arsonate (MSMA) on Hepatic Metallothionein Expression and Lipid Peroxidation in Channel Catfish	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.118(2): 177-183	1997	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	1	Year(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	McCorkle,F.M., J.E. Chambers, and J.D. Yarbrough	858	Acute Toxicities of Selected Herbicides to Fingerling Channel Catfish, Ictalurus punctatus	Bull. Environ. Contam. Toxicol.18(3): 267-270	1977	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	16	Month(s)	Sexually mature	Renewal	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Physiology	Lipid peroxidation	Liver	Total	NR	AI mg/L	Schlenk,D., L. Wolford, M. Chelius, J. Steevens, and K.M. Chan	3581	Effect of Arsenite, Arsenate, and the Herbicide Monosodium Methyl Arsonate (MSMA) on Hepatic Metallothionein Expression and Lipid Peroxidation in Channel Catfish	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.118(2): 177-183	1997	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	16	Month(s)	Sexually mature	Renewal	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Genetics	Messenger RNA	Liver	Total	NR	AI mg/L	Schlenk,D., L. Wolford, M. Chelius, J. Steevens, and K.M. Chan	3581	Effect of Arsenite, Arsenate, and the Herbicide Monosodium Methyl Arsonate (MSMA) on Hepatic Metallothionein Expression and Lipid Peroxidation in Channel Catfish	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.118(2): 177-183	1997	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	16	Month(s)	Sexually mature	Renewal	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Biochemistry	General biochemical effect	Liver	Total	NR	AI mg/L	Schlenk,D., L. Wolford, M. Chelius, J. Steevens, and K.M. Chan	3581	Effect of Arsenite, Arsenate, and the Herbicide Monosodium Methyl Arsonate (MSMA) on Hepatic Metallothionein Expression and Lipid Peroxidation in Channel Catfish	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.118(2): 177-183	1997	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	51.2	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	78	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	51.2	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	>167	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	>51	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Flow-through	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	>51	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	15	Day(s)	BCF	Accumulation	Residue	Not reported	Total	1	AI mg/L	Woolson,E.A., A.R. Isensee, and P.C. Kearney	14415	Distribution and Isolation of Radioactivity from 74As-Arsenate and 14C-Methanearsonic Acid in an Aquatic Model Ecosystem	Pestic. Biochem. Physiol.6(3): 261-269	1976	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	31.1	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	207	AI mg/L	Johnson,C.R.	867	Herbicide Toxicities in the Mosquito Fish, Gambusia affinis	Proc. R. Soc. Queensl.89:25-27	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	34.8	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	37.9	AI mg/L	Mayer,F.L.,Jr., and M.R. Ellersieck	6797	Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals	USDI Fish and Wildlife Service, Publication No.160, Washington, DC:505 p.	1986	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	182	AI mg/L	Johnson,C.R.	867	Herbicide Toxicities in the Mosquito Fish, Gambusia affinis	Proc. R. Soc. Queensl.89:25-27	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	186	AI mg/L	Johnson,C.R.	867	Herbicide Toxicities in the Mosquito Fish, Gambusia affinis	Proc. R. Soc. Queensl.89:25-27	1978	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	10	AI mg/L	Fabacher,D.L., and H. Chambers	946	Resistance to Herbicides in Insecticide-Resistant Mosquitofish, Gambusia	Environ. Lett.7(1): 15-20	1974	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Hygrophila lacustris	Aquatic Angiosperm	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.000024	AI mg/L	Anderson,A.C., A.A. Abdelghani, and D. McDonell	6181	Screening of Four Vascular Aquatic Plants for Uptake of Monosodium Methanearsonate (MSMA)	Sci. Total Environ.16(2): 95-98	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.000024	AI mg/L	Anderson,A.C., A.A. Abdelghani, and D. McDonell	6181	Screening of Four Vascular Aquatic Plants for Uptake of Monosodium Methanearsonate (MSMA)	Sci. Total Environ.16(2): 95-98	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Hygrophila lacustris	Aquatic Angiosperm	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Root	Total	9.8	AI mg/L	Anderson,A.C., A.A. Abdelghani, D. McDonnell, and L. Craig	6307	Uptake of Monosodium Methanearsonate (MSMA) by Vascular	J. Plant Nutr.3(1-4): 193-201	1981	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ceratophyllum demersum	Coon-Tail	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	21	Day(s)	BCF	Accumulation	Residue	Not reported	Active ingredient	9.8	AI mg/L	Anderson,A.C., A.A. Abdelghani, D. McDonnell, and L. Craig	6307	Uptake of Monosodium Methanearsonate (MSMA) by Vascular	J. Plant Nutr.3(1-4): 193-201	1981	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ceratophyllum demersum	Coon-Tail	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Field artificial	NR	24	Day(s)	NR	Population	Abundance	Not reported	Total	1.5	AI mg/L	Yadava,N.K., S.S. Pahuja, and A. Bhatnagar	16007	Toxicity of Herbicides on Fingerlings (Labeo rohita Hamilton) and Weeds in Pond	In: Proceedings of an Indian Society of Weed Science International Symposium, Hisar, India3:250-253	1993	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Ceratophyllum demersum	Coon-Tail	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	24	Day(s)	NR	Population	Abundance	Not reported	Total	1.5	AI mg/L	Yadava,N.K., S.S. Pahuja, and A. Bhatnagar	16007	Toxicity of Herbicides on Fingerlings (Labeo rohita Hamilton) and Weeds in Pond	In: Proceedings of an Indian Society of Weed Science International Symposium, Hisar, India3:250-253	1993	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	14	Day(s)	EC50	Population	Abundance	Not coded	Not coded	104.1	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	51	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	14	Day(s)	NOEL	Population	Abundance	Not coded	Not coded	56.8	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Eichhornia crassipes	Water-Hyacinth	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.000024	AI mg/L	Anderson,A.C., A.A. Abdelghani, and D. McDonell	6181	Screening of Four Vascular Aquatic Plants for Uptake of Monosodium Methanearsonate (MSMA)	Sci. Total Environ.16(2): 95-98	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Alternanthera philoxeroides	Alligator-Weed	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.000024	AI mg/L	Anderson,A.C., A.A. Abdelghani, and D. McDonell	6181	Screening of Four Vascular Aquatic Plants for Uptake of Monosodium Methanearsonate (MSMA)	Sci. Total Environ.16(2): 95-98	1980	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Eichhornia crassipes	Water-Hyacinth	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Root	Total	9.8	AI mg/L	Anderson,A.C., A.A. Abdelghani, D. McDonnell, and L. Craig	6307	Uptake of Monosodium Methanearsonate (MSMA) by Vascular	J. Plant Nutr.3(1-4): 193-201	1981	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Alternanthera philoxeroides	Alligator-Weed	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	NR	Day(s)	BCF	Accumulation	Residue	Root	Total	9.8	AI mg/L	Anderson,A.C., A.A. Abdelghani, D. McDonnell, and L. Craig	6307	Uptake of Monosodium Methanearsonate (MSMA) by Vascular	J. Plant Nutr.3(1-4): 193-201	1981	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	1000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	152.2	Day(s)	NR	Development	Developmental changes, general	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Biomass	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Salt water	Field natural	NR	91.32	Day(s)	NR	Population	Abundance	Not reported	Formulation	NR	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Abundance	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	152.2	Day(s)	NR	Development	Developmental changes, general	Not reported	Formulation	1000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Abundance	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	152.2	Day(s)	NR	Development	Developmental changes, general	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Biomass	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Lentic	Unmeasured	Salt water	Field natural	NR	91.32	Day(s)	NR	Population	Biomass	Not reported	Formulation	NR	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	10000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Spartina alterniflora	Smooth Cordgrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Tidal	Unmeasured	Salt water	Field natural	NR	152.2	Day(s)	NR	Development	Developmental changes, general	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Abundance	Not reported	Formulation	10000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Biomass	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Abundance	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Abundance	Not reported	Formulation	1000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Abundance	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Biomass	Not reported	Formulation	1000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Accumulation	Accumulation, general	Soft tissue	Formulation	10000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Biomass	Not reported	Formulation	10000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Modiolus demissus	Ribbed Mussel	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	100	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Commercial grade	34	Littorina irrorata	Marsh Periwinkle	Molluscs	NR	Not reported	Adult	Tidal	Unmeasured	Salt water	Field natural	NR	121.76	Day(s)	NR	Population	Biomass	Not reported	Formulation	90000	AI mg/L	Edwards,A.C., and D.E. Davis	7906	Effects of an Organic Arsenical Herbicide on a Salt Marsh Ecosystem	J. Environ. Qual.4(2): 215-219	1975	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	50.4	Crassostrea virginica	American Or Virginia Oyster	Molluscs; Standard Test Species	NC	Not coded	Spat	Flow-through	Not coded	Salt water	Lab	NC	4	Day(s)	EC50	Intoxication	Immobile	Not coded	Not coded	160	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not coded	50.4	Crassostrea virginica	American Or Virginia Oyster	Molluscs; Standard Test Species	NC	Not coded	Spat	Flow-through	Not coded	Salt water	Lab	NC	4	Day(s)	NOEL	Intoxication	Immobile	Not coded	Not coded	49	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
2163806	Methylarsonic acid, Monosodium salt	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	0.0417	Day(s)	EC50	Behavior	Filtration rate	Not reported	Total	25	AI mg/L	Watling,H.R., and R.J. Watling	14364	Comparative Effects of Metals on the Filtering Rate of the Brown Mussel (Perna perna)	Bull. Environ. Contam. Toxicol.29:651-657	1982	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
2338058	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron salt	Not reported	NR	Austropotamobius pallipes	Crayfish	Crustaceans	NR	Not reported	Intermolt	Injection, unspecified	Unmeasured	Fresh water	Lab	NR	2	Day(s)	BCFD	Accumulation	Residue	Hepatopancreas	Total	0.75	umol	Lyon,R., M. Taylor, and K. Simkiss	11529	Ligand Activity in the Clearance of Metals From the Blood of the Crayfish (Austropotamobius pallipes)	J. Exp. Biol.113:19-27	1984	Drop: chemical
2338058	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron salt	Not reported	NR	Austropotamobius pallipes	Crayfish	Crustaceans	NR	Not reported	Intermolt	Injection, unspecified	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Residue	Blood	Total	0.75	umol	Lyon,R., M. Taylor, and K. Simkiss	11529	Ligand Activity in the Clearance of Metals From the Blood of the Crayfish (Austropotamobius pallipes)	J. Exp. Biol.113:19-27	1984	Drop: chemical
2338058	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron salt	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Mature	Renewal	Unmeasured	Salt water	Lab	NR	6	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	0.15	AI mg/L	George,S.G., and T.L. Coombs	6285	Effects of high Stability Iron-Complexes on the Kinetics of Iron Accumulation and Excretion in Mytilus edulis (L.)	J. Exp. Mar. Biol. Ecol.28(2): 133-140	1977	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	117	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	177	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	51	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	6	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	71	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	5	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	270	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	6	4	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	112	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
3522507	2-Hydroxy-1,2,3-propanetricarboxylic acid, Iron(3+) salt (1:1)	Analar grade	NR	Cherax destructor	Crayfish	Crustaceans	4	Week(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	5	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	10	AI mg/L	Khan,S., and D. Nugegoda	106705	Sensitivity of Juvenile Freshwater Crayfish Cherax destructor (Decapoda: Parastacidae) to Trace Metals	Ecotoxicol. Environ. Saf.68(3): 463-469	2007	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Senna tora	Sickle Senna	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Stationary growth phase	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC20	Population	Abundance	Not reported	Total	1085	AI mg/L	Pauli,W., S. Berger, L. Jaskulka, and S. Schmitz	4344	A Case for the Inclusion of a Protozoan Test in Aquatic Toxicity Assessment Using Tetrahymena	Sci. Total Environ.134(Suppl. 1): 779-786	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Senna tora	Sickle Senna	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Stationary growth phase	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50	Population	Population growth rate	Not reported	Total	1950	AI mg/L	Pauli,W., S. Berger, L. Jaskulka, and S. Schmitz	4344	A Case for the Inclusion of a Protozoan Test in Aquatic Toxicity Assessment Using Tetrahymena	Sci. Total Environ.134(Suppl. 1): 779-786	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Senna tora	Sickle Senna	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Stationary growth phase	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	54	AI mg/L	Pauli,W., S. Berger, L. Jaskulka, and S. Schmitz	4344	A Case for the Inclusion of a Protozoan Test in Aquatic Toxicity Assessment Using Tetrahymena	Sci. Total Environ.134(Suppl. 1): 779-786	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.0625	Day(s)	EC0	Avoidance	Chemical avoidance	Not reported	Formulation	14	AI mg/L	Pauli,W., S. Berger, S. Schmitz, and L. Jaskulka	17554	Chemosensory Responses of Ciliates: A Sensitive End Point in Xenobiotic Hazard Assessment	Environ. Toxicol. Water Qual.9(4): 341-346	1994	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	832	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	EC10	Population	Population growth rate	Not reported	Formulation	891	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.0625	Day(s)	EC10	Avoidance	Chemical avoidance	Not reported	Formulation	23	AI mg/L	Pauli,W., S. Berger, S. Schmitz, and L. Jaskulka	17554	Chemosensory Responses of Ciliates: A Sensitive End Point in Xenobiotic Hazard Assessment	Environ. Toxicol. Water Qual.9(4): 341-346	1994	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	EC20	Population	Population growth rate	Not reported	Formulation	1085	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	EC20	Population	Population growth rate	Not reported	Formulation	1380	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Stationary growth phase	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	EC20	Population	Population growth rate	Not reported	Total	1380	AI mg/L	Pauli,W., S. Berger, L. Jaskulka, and S. Schmitz	4344	A Case for the Inclusion of a Protozoan Test in Aquatic Toxicity Assessment Using Tetrahymena	Sci. Total Environ.134(Suppl. 1): 779-786	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	1950	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	EC50	Population	Population growth rate	Not reported	Formulation	1820	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	NOEC	Population	Population growth rate	Not reported	Formulation	540	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
6047138	Tartaric acid, Iron (2+)potassium salt (2:1:2)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Not reported	NR	2	Day(s)	NOEC	Population	Population growth rate	Not reported	Formulation	54	AI mg/L	Pauli,W., S. Berger, S. Schmitz, L. Jaskulka, and K. Stadtlander	56367	Validation of Toxicological Endpoints with Tetrahymena. Membrane Functions, Chemotaxis, Cell Rotation in Electric Fields (Validierung Toxikologischer Prufparameter an Tetrahymena: Membranfunktionen,	R-Report, UFOPLAN 10603083, UBA-FB-93-074, Berlin:62 p.	1993	Drop: chemical
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	15	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	0.9	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	26	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	17.5	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Isochrysis galbana	Haptophyte	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	9.8	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	19	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	3.7	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	15	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Isochrysis galbana	Haptophyte	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	9	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	1.1	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>30	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	1	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	15	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	15	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	>30	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Isochrysis galbana	Haptophyte	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Population	Population growth rate	Not reported	Total	8.5	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	0.28	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	11.5	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Kappaphycus alvarezii	Seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Whole organism	Total	2.79235	AI mg/L	Barros,M.P., M. Granbom, P. Colepicolo, and M. Pedersen	107131	Temporal Mismatch Between Induction of Superoxide Dismutase and Ascorbate Peroxidase Correlates with High H2O2 Concentration in Seawater from Clofibrate-Treated Red Algae Kappaphycus alvarezii	Arch. Biochem. Biophys.420(1): 161-168	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	NR	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	9.7	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	0.28	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Isochrysis galbana	Haptophyte	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	1.55	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Kappaphycus alvarezii	Seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Ascorbate peroxidase	Whole organism	Total	2.79235	AI mg/L	Barros,M.P., M. Granbom, P. Colepicolo, and M. Pedersen	107131	Temporal Mismatch Between Induction of Superoxide Dismutase and Ascorbate Peroxidase Correlates with High H2O2 Concentration in Seawater from Clofibrate-Treated Red Algae Kappaphycus alvarezii	Arch. Biochem. Biophys.420(1): 161-168	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Kappaphycus alvarezii	Seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Catalase	Whole organism	Total	2.79235	AI mg/L	Barros,M.P., M. Granbom, P. Colepicolo, and M. Pedersen	107131	Temporal Mismatch Between Induction of Superoxide Dismutase and Ascorbate Peroxidase Correlates with High H2O2 Concentration in Seawater from Clofibrate-Treated Red Algae Kappaphycus alvarezii	Arch. Biochem. Biophys.420(1): 161-168	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	1.4	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Kappaphycus alvarezii	Seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Biochemistry	Thiobarbituric acid reactive substances	Whole organism	Total	2.79235	AI mg/L	Barros,M.P., M. Granbom, P. Colepicolo, and M. Pedersen	107131	Temporal Mismatch Between Induction of Superoxide Dismutase and Ascorbate Peroxidase Correlates with High H2O2 Concentration in Seawater from Clofibrate-Treated Red Algae Kappaphycus alvarezii	Arch. Biochem. Biophys.420(1): 161-168	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	1.7	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Kappaphycus alvarezii	Seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Physiology	Photosystem II (PSII) electron transport activity	Thalli	Total	2.79235	AI mg/L	Barros,M.P., M. Granbom, P. Colepicolo, and M. Pedersen	107131	Temporal Mismatch Between Induction of Superoxide Dismutase and Ascorbate Peroxidase Correlates with High H2O2 Concentration in Seawater from Clofibrate-Treated Red Algae Kappaphycus alvarezii	Arch. Biochem. Biophys.420(1): 161-168	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Isochrysis galbana	Haptophyte	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	1.6	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	NR	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	12	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	0.16	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	12	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	NR	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	2	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	>20	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	11	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	12	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	3.6	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Population	Population growth rate	Not reported	Total	12.5	AI mg/L	Wilson,W.B., and L.R. Freeburg	5557	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-80-025, U.S.EPA, Narragansett, RI:110 p.	1980	Drop: saltwater

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Dose and Duration (Days)	Observed Duration Units (Days)	Endpoints	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	3 Day(s)	72HC	Population	Population growth rate	Not reported	Total	0.16	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Heterosiamum huli	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	3 Day(s)	72HC	Population	Population growth rate	Not reported	Total	NR	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Isochrysis galbana	Haptophyte	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	3 Day(s)	72HC	Population	Population growth rate	Not reported	Total	0.42	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	0.166	3 Day(s)	120C	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Whole organism	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	3 Day(s)	120C	Population	Population growth rate	Not reported	Total	1.59	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	0.166	3 Day(s)	120C	Biochemistry	Thiobarbituric acid reactive substances	Whole organism	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	0.166	3 Day(s)	120C	Enzyme(s)	Ascorbate peroxidase	Whole organism	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	0.166	3 Day(s)	120C	Enzyme(s)	Catalase	Whole organism	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	2	3 Day(s)	72HC	Biochemistry	Chlorophyll A concentration	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	4 Day(s)	96HC	Population	Population growth rate	Not reported	Total	NR	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	3 Day(s)	96HC	Physiology	Photosystem II (PSII) electron transport activity	Thalli	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Gymnodinium splendens	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	5 Day(s)	96HC	Population	Population growth rate	Not reported	Total	NR	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	3 Day(s)	96HC	Physiology	Photosystem II (PSII) electron transport activity	Thalli	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Heterosiamum huli	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	5 Day(s)	96HC	Population	Population growth rate	Not reported	Total	NR	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Thalassiosira pseudonana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	5 Day(s)	96HC	Population	Population growth rate	Not reported	Total	NR	Al-mg/L	Wilson,W.B., and L.R. Prinzburg	9300	Toxicity of Metals to Marine Phytoplankton Cultures	EPA-600/3-84-035, U.S.EPA, Narragansett, RI.112 p.	1984	Drop: saltwater
7439896	Iron	Not reported	NR	Aggregatiphycus alvarezii	seaweed	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	3	3 Day(s)	96HC	Biochemistry	Chlorophyll A concentration	Thalli	Total	2.7925	Al-mg/L	Barrio,M.P., M. Graniano, P. Colepicolo, and M. Pedersen	10727	Aggregatiphycus alvarezii	Arch. Biochem. Biophys.435(1): 160-168	2005	Drop: saltwater
7439896	Iron	Not reported	NR	Aulosira fertilissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Hydrodictyon reticulatum	Green Algae	Algae	NR	1 Day(s)	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	1	7 Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Total	NR	Al-mg/L	Rai,U.N., and P. Chandra	8987	Accumulation of Copper, Lead, Manganese and Iron by Field Populations of Hydrodictyon reticulatum	Sci. Total Environ.115(1): 203-211	1992	Drop: endpoint
7439896	Iron	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Field-natural	NR	NR	1	0.125 Day(s)	NR	Physiology	Photosynthesis	Not reported	Total	NR	Al-mg/L	Rajendran,A., S. Vijayaraghavan, and M.V.M. Nellai	33511	Effect of Some Metal Ions on the Photosynthesis of Microplankton & Macroplankton	Indian J. Mar. Sci.7(2): 99-102	1978	Drop: endpoint
7439896	Iron	Not reported	NR	Aulosira fertilissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Biochemistry	Nitrogen (N) content	Not reported	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	2	3 Day(s)	72HC	Biochemistry	Chlorophyll A Chlorophyll B	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Thalassiosira oceanica	Diatom	Algae	NR	Not reported	Exponential growth phase (log)	Static	Not reported	Salt water	Lab	1	0.063 Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	Al-mg/L	Lane,S.S., K. Jang, J.T. Cullen, and M.T. Maldonado	11181	Cellular Thalassiosira oceanica and Cadmium Uptake in Fe-Replete and Fe-Limited Open Ocean Waters	Limnol. Oceanogr.53(5): 1784-1789	2008	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	2	3 Day(s)	72HC	Accumulation	Residue	Whole organism	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Bacillariophyta	Diatom Division	Algae	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	12	4 Day(s)	NR	Population	Abundance	Not reported	Dissolved	6.701649	Al-mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, A.J. Statham, P.A. Whitney, C.N. Putland, W.K. Johnson, N. Sutherl	8259	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Aulosira fertilissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Aulosira fertilissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Growth	Number of cells	Heterocyst	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Nostoc commune	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Biochemistry	Nitrogen (N) content	Not reported	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Porphyridium sp.	Unconfigurable Algae Division	Algae	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	12	4 Day(s)	NR	Population	Abundance	Not reported	Dissolved	6.701649	Al-mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, A.J. Statham, P.A. Whitney, C.N. Putland, W.K. Johnson, N. Sutherl	8259	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	3 Day(s)	72HC	Biochemistry	Heat shock Proteins, small	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	4 Day(s)	NR	Population	Population growth rate	Not reported	Total	0.056	Al-mg/L	Ibemesere Nielsen,B., and I. Kiengtenion	15764	Influence of Ditrihenvue Concentration of Copper on the Growth of Chlorella Vulgaris	Physiol. Plant.,73(2): 829-843	1975	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	3 Day(s)	72HC	Biochemistry	Heat shock protein 70	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Thalassiosira oceanica	Diatom	Algae	NR	Not reported	Exponential growth phase (log)	Static	Not reported	Salt water	Lab	1	0.063 Day(s)	NR	Accumulation	Uptake	Whole organism	Total	0.0011196	Al-mg/L	Lane,S.S., K. Jang, J.T. Cullen, and M.T. Maldonado	11181	Cellular Thalassiosira oceanica and Cadmium Uptake in Fe-Replete and Fe-Limited Open Ocean Waters	Limnol. Oceanogr.53(5): 1784-1789	2008	Drop: endpoint
7439896	Iron	Not reported	NR	Thalassiosira oceanica	Diatom	Algae	NR	Not reported	Exponential growth phase (log)	Static	Not reported	Salt water	Lab	1	0.063 Day(s)	NR	Population	Population growth rate	Not reported	Total	0.0011196	Al-mg/L	Lane,S.S., K. Jang, J.T. Cullen, and M.T. Maldonado	11181	One Interaction Between Inorganic Iron and Cadmium Uptake in the Marine Diatom Thalassiosira oceanica	Limnol. Oceanogr.53(5): 1784-1789	2008	Drop: endpoint
7439896	Iron	Not reported	NR	Nostoc commune	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Growth	Number of cells	Heterocyst	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Anabaena variabilis	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Biochemistry	Nitrogen (N) content	Not reported	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Haptophyta	Haptophyte Division	Algae	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	12	4 Day(s)	NR	Population	Abundance	Not reported	Dissolved	6.701649	Al-mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, A.J. Statham, P.A. Whitney, C.N. Putland, W.K. Johnson, N. Sutherl	8259	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Nitzschia closterium	Diatom	Algae	NR	Not reported	Not reported	Aquatic - nat reported	Unmeasured	Salt water	Lab	NR	1	4 Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	Al-mg/L	Carpene,E., and J. Roni	6350	Effects of Heavy Metals on the Algae Nitzschia closterium and Prorocentrum micans	Sci. Total Environ.Suppl:921-928	1992	Drop: endpoint
7439896	Iron	Not reported	NR	Bacillariophyta	Diatom Division	Algae	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	12	4 Day(s)	NR	Population	Abundance	Not reported	Dissolved	6.701649	Al-mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, A.J. Statham, P.A. Whitney, C.N. Putland, W.K. Johnson, N. Sutherl	8259	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Nostoc commune	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Hydrodictyon reticulatum	Green Algae	Algae	NR	1 Day(s)	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	1	7 Day(s)	NR	Population	Biomass	Not reported	Total	NR	Al-mg/L	Rai,U.N., and P. Chandra	8987	Accumulation of Copper, Lead, Manganese and Iron by Field Populations of Hydrodictyon reticulatum	Sci. Total Environ.115(1): 203-211	1992	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	3 Day(s)	72HC	Biochemistry	Heat shock protein 60	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	3 Day(s)	72HC	Physiology	Photosynthesis	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	3 Day(s)	72HC	Physiology	Photosystem II (PSII) electron transport activity	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Pleurosentrum oceans	Unconfigurable	Algae	NR	Not reported	Not reported	Aquatic - nat reported	Unmeasured	Salt water	Lab	NR	1	4 Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	Al-mg/L	Carpene,E., and J. Roni	6350	Effects of Heavy Metals on the Algae Nitzschia closterium and Prorocentrum micans	Sci. Total Environ.Suppl:921-928	1992	Drop: endpoint
7439896	Iron	Not reported	NR	Aulosira fertilissima	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	10 Day(s)	NR	Growth	Number of cells	Heterocyst	Total	NR	Al-mg/L	Flory,B.K., and G.N. Mitra	39506	Effect of Iron Enrichment on the Growth and Nitrogen Fixation by Three Cyanobacteria	Environ. Ecol.34(4): 789-797	1998	Drop: endpoint
7439896	Iron	Not reported	NR	Chlamydomonas acidophila	Green Algae	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	3 Day(s)	72HC	Growth	Growth rate	Not reported	Total	NR	Al-mg/L	Sjobomsson,K., D. Blanuk, A. Gerloff-Elias, S. Kern, U. Goedike, and S.A. Heckathorn	10157	Cross-Responses and Metal Tolerance of Chlamydomonas acidophila in Metal-Enriched Lake Water and Artificial Solutions	Chemosphere,(Tokyo)51(8): 551-562	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	4 Day(s)	NR	Population	Population growth rate	Not reported	Total	NR	Al-mg/L	Nakagoshi,T., T. Horikoshi, and A. Nakano	2365	Studies on the Accumulation of Heavy Metal Elements in Biological Systems Part 5	J. Agric. Chem. Soc. Jpn. 51(8): 497-505	1977	Drop: endpoint
7439896	Iron	Not reported	NR	Crangon crangon	Sand Shrimp	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	10 Day(s)	LC50	Mortality	Mortality	Not reported	Total	NR	Al-mg/L	McIntosan,J.E.	6854	Results of Acute Toxicity Tests with Polynuclear Aromatic Hydrocarbons, Using a Standard Method	In: M.Ravo (Ed.), Marine Pollution and Marine Waste Control, Proc. Italy / Freiburg Workshop (Rome), Ltd., London, England,211	1977	Drop: endpoint
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3 Day(s)	72HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	4 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	7 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	15 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	20 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	28 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	30 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	40 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	50 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater
7439896	Iron	Not reported	NR	Mytilus galloprovincialis	Aquatic bivalve, trapod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	60 Day(s)	96HC	Mortality	Survival	Not reported	Total	0.5	Al-mg/L	Gambardella,C., A. De Benedictis, S.M. Guerrio, and M. De Nicola	6855	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Mytilus Galloprovincialis Exposed to Iron and Copper	Ann. Chim.88(3-4): 223-236	1998	Drop: saltwater

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	4	96hr(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: saltwater
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	4	120hr(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: saltwater
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	7	7day(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: saltwater
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	14	336hr(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: saltwater
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	21	504hr(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: saltwater
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	28	672hr(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: saltwater
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	4	96hr(s)	NR (EC)	Mortality	Mortality	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: endpoint
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	12	336hr(s)	NR (EC)	Mortality	Mortality	Not reported	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: endpoint
7439896	Iron	Not reported	NR	Dominorus pubis	Snail	Crustaceans	NR	Not reported	Not reported	Lotic	Measured	Fresh water	Field-situated	NR	42	day(s)	NR	Accumulation	Accumulation, general	Tissue	Total	NR	dr mg/L	Maltby, L., and M. Crane	171322	Response of Gammarus pulex (Amphipoda, Crustacea) to Metalliferous Effluents: Identification of Target Populations and Implications for Biomonitoring	Environ. Pollut.86(1): 45-52	1994	Group: endpoint
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	2.5	60hr(s)	NR	Histology	Histological changes, general	Hepatopancreas	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: endpoint
7439896	Iron	Not reported	NR	Alvinia bythica	Aquatic bowbug, isopod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	2.5	60hr(s)	NR	Accumulation	Residue	Multiple tissue/organ	Total	0.5	Al mg/L	Gambardella,C., A. De Benedictis, S.Mi Guerriro, and M. De Nicola	68850	Metal Determination by Atomic Absorption Spectrophotometry and X-Ray Microanalysis in Idotea baltica Exposed to Iron and Copper	Ann. Chim.88(3-4): 229-256	1998	Group: endpoint
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	1	24hr(s)	NOEC	Accumulation	Residue	Whole organism	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	3	72hr(s)	NOEC	Accumulation	Residue	Whole organism	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	4	96hr(s)	NOEC	Accumulation	Residue	Whole organism	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	5	120hr(s)	NOEC	Accumulation	Residue	Whole organism	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	6	144hr(s)	NOEC	Accumulation	Residue	Whole organism	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Hyalella azteca	Scud	Crustaceans, Standard Test Species	NR	Day(s)	Young	Static	Unmeasured	Fresh water	Lab	NR	10	day(s)	LC50	Mortality	Mortality	Not reported	Total	1.2	M mg/L	Borgmann,U., Y. Couillard, P. Doyle, and D.G. Dixon	80516	Toxicity of Sixty-Three Metals and Metalloids to Hyalella azteca at Two Levels of Water Hardness	Environ. Toxicol. Chem.24(3): 641-652	2005	Group: duration
7439896	Iron	Not reported	NR	Hyalella azteca	Scud	Crustaceans, Standard Test Species	NR	Day(s)	Young	Static	Unmeasured	Fresh water	Lab	NR	7	day(s)	LC50	Mortality	Mortality	Not reported	Total	0.35	M mg/L	Borgmann,U., Y. Couillard, P. Doyle, and D.G. Dixon	80516	Toxicity of Sixty-Three Metals and Metalloids to Hyalella azteca at Two Levels of Water Hardness	Environ. Toxicol. Chem.24(3): 641-652	2005	Group: duration
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	NR	1day(s)	NR	Accumulation	Residue	Multiple tissue/organ	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Mesopa aztecus	Brown Shrimp	Crustaceans, Standard Test Species	NR	Not reported	Juvenile	Static	Measured	Salt water	Lab	NR	NR	1day(s)	NR	Accumulation	Residue	Multiple tissue/organ	Total	0.0000016	M mg/L	Carvalho, R.A., M.C. Benfield, and P.H. Santschi	48019	Comparative Bioaccumulation Studies of Colloidally Complexed and Free-Ionic Heavy Metals in Juvenile Brown Shrimp Penaeus aztecus (Crustacea: Decapoda: Penaeidae)	Limnol. Oceanogr.44(2): 459-464	1999	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	4	42hr(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0004	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	42	42day(s)	BCF	Accumulation	Residue	Muscle	Total	0.0004	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	42	42day(s)	BCF	Accumulation	Residue	Gill(s)	Total	0.0003	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	42	42day(s)	BCF	Accumulation	Residue	Muscle	Total	0.0003	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	42	42day(s)	BCF	Accumulation	Residue	Liver	Total	0.0004	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	42	42day(s)	BCF	Accumulation	Residue	Liver	Total	0.0007	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	6	6day(s)	LC50	Mortality	Mortality	Not reported	Total	0.0009	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: saltwater
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	6	6day(s)	LC50	Mortality	Mortality	Not reported	Total	0.0007	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	6	6day(s)	LC50	Mortality	Mortality	Not reported	Total	0.0006	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	6	6day(s)	LC50	Mortality	Mortality	Not reported	Total	0.0129	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	6	6day(s)	LC50	Mortality	Mortality	Not reported	Total	0.0224	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: saltwater
7439896	Iron	Not reported	NR	Menipsthikimus walkeri	Mudskipper	Fish	NR	Not reported	Adult	Renewal	Unmeasured	Salt water	Lab	1	6	6day(s)	LC50	Mortality	Mortality	Not reported	Total	0.0354	M mg/L	Ru-Cliyan,A.H., and R.V. Thomas	114977	Trace Metals Toxicity and Bioaccumulation in Mudskipper Periophthalmus walkeri Koumans 1941 (Gobiidae: Perciformes)	Turk. J. Fish. Aquat. Sci.8(2): 215-218	2008	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR (EC)	Mortality	Mortality	Not reported	Dissolved	0.4	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR (EC)	Mortality	Mortality	Not reported	Dissolved	0.4	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR (EC)	Mortality	Mortality	Not reported	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Biochemistry	Mean corpuscular (cell) hemoglobin concentration	Blood	Dissolved	NR	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Enzyme(s)	Phosphorylase	Liver	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Biochemistry	Hematocrit (anemia)	Blood	Dissolved	NR	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Enzyme(s)	7-Ethoxyresorufin O-dealkylase	Liver	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Hormone(s)	17-beta Estradiol	Plasma	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Hormone(s)	Corticosterone (Cortisol)	Plasma	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Hormone(s)	17-beta Estradiol	Plasma	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Accumulation	Residue	Gill(s)	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Biochemistry	Hematocrit (anemia)	Blood	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus migratorius	Baikal Omul	Fish	NR	Not reported	Egg	Flow-through	Measured	Fresh water	Lab	NR	4	720hr(s)	NR	Histology	Histological changes, general	Not reported	Total	0.5	M mg/L	Chernyaev,E.A.	41284	Mechanism of the Action of Iron Dissolved in Water on Baikal Omul Eggs	Sb.N.K.Pogozhevskii (Ed.): Vopr.Vodn.Toksikol., Nauka, Moscow, ISBN 213-1713	1978	Group: endpoint
7439896	Iron	Not reported	NR	Coregonus lavaretus	Pollan, Whitefish	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	96hr(s)	NR	Accumulation	Residue	Gill(s)	Dissolved	0.15	M mg/L	Lapsiansk.i., A. Kivinieni, and A. Oikari	20156	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Acidic and Nonhumic Water	Arch. Environ. Contam. Toxicol.37(2): 198-204	1999	Group: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Deaths	Observed Duration (Days)	Observed Duration Units (Days)	Endpoints	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase A	Liver	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Gill(s)	Dissolved	0.3	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Muscle	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase A	Liver	Dissolved	0.3	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Hemoglobin	Blood	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase A	Liver	Dissolved	0.2	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Muscle	Dissolved	0.16	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Hormone(s)	17-beta Estradiol	Plasma	Dissolved	0.2	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Gill(s)	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Glucose	Blood	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Lactate	Blood	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase	Liver	Dissolved	0.3	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Glucose	Blood	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase	Liver	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	7-Ethoxyresorufin O-dealkylase	Liver	Dissolved	0.07	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Liver	Dissolved	0.14	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Gut	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Hemoglobin	Blood	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase A	Liver	Dissolved	0.15	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Sodium content	Plasma	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Gut	Dissolved	0.13	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	Phosphatase	Liver	Dissolved	0.18	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Hormone(s)	Corticosterone (Cortisol)	Plasma	Dissolved	0.04	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Lactate	Blood	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Mean corpuscular (cell) hemoglobin concentration	Blood	Dissolved	0.19	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Hemoglobin	Blood	Dissolved	0.15	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Potassium content	Plasma	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Muscle	Dissolved	0.3	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Hematocrit (eosmia)	Blood	Dissolved	0.43	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Glucose	Blood	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Oxygen	Blood	Dissolved	0.13	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Sodium content	Plasma	Dissolved	0.07	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	7-Ethoxyresorufin O-dealkylase	Liver	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Sodium content	Plasma	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Hormone(s)	Corticosterone (Cortisol)	Plasma	Dissolved	0.07	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Potassium content	Plasma	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Pagrus major	Red seabream	Fish	NR	Not reported	Multiple	Flow-through	Measured	Fresh water	Lab	NR	1	Day(s)	NR	Physiology	Oxygen consumption	Not reported	Total	448.8	Al-mg/L	Grobler, P., H.H. Du Preez, and J.H.J. Van Vuren		Some Effects of Zinc and Iron on the Routine Oxygen Consumption of Tilapia Mossambicus (Cichlidae)	Comp. Biochem. Physiol. C Comp. Pharmacol.	1985	227-213	Group endpoint
7439896	Iron	Not reported	NR	Clarias gariepinus	Sanders Barbel	Fish	NR	Not reported	Egg	Aquatic - nat. reported	Unmeasured	Fresh water	Lab	2.99	1	Day(s)	NR	Mortality	Mortality/survival, general	Not reported	Total	13.9	Al-mg/L	Ahigwa, M.O., and I.O. Akaninwor	2010	Assessment of Heavy Metal Profile of the New Calabar River and Its Impact on Juvenile Clarias gariepinus	Chem. Biodivers. 7(1): 79-87	2010	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Liver	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Potassium content	Plasma	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Liver	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Oxygen	Blood	Dissolved	NR	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Glucose	Blood	Dissolved	0.14	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Mean corpuscular (cell) hemoglobin concentration	Blood	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Hormone(s)	17-beta Estradiol	Plasma	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Enzyme(s)	7-Ethoxyresorufin O-dealkylase	Liver	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Biochemistry	Sodium content	Plasma	Dissolved	0.15	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Oreochromis mossambicus	Tilapia, Mozambique	Fish	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	28	Day(s)	NR	Accumulation	Residue	Gut	Dissolved	0.4	Al-mg/L	Jayaprakash, C., Kavitha, P., and Balasubramanian, M.P.	2005	Bioaccumulation and Subchronic Physiological Effects of Waterborne Iron Overload on Whitefish Exposed in Arctic and Nonarctic Water	Arch. Environ. Contam. Toxicol.	2005	Group endpoint
7439896	Iron	Not reported	NR	Pagrosomus latipes	Japanese Medaka	Fish, Standard Test Species	0	Days	Embryo	Pulsed	Measured	Fresh water	Lab	NR	14	Day(s)	NR	Accumulation	Residue	Whole organism	Total	45.6	Al-mg/L	Chen, P.J., W.-L. Wu, and K.C.W. Wu	1983	The Accordant Iron Nonspecific Events Higher Developmental Toxicity than Its Oxidation Products in Early-Life Stages of Medaka Fish	Water Res.17:1809-1909	2011	Group endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Dose and Duration	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	EC7	Accumulation	Residue	Whole organism	Total		110.54	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. endpoint
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	EC7	Accumulation	Residue	Whole organism	Total		99.56	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. endpoint
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR			Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.583	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.583	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.583	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.0833	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.0833	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.0833	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported		Ictalurus punctatus	Channel Catfish	Fish, Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR		0.0833	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	0	mg/L	Clemens,H.P., and K.E. Sneed	9363	Chemicals for Fingerling Channel Catfish	No. 316, Washington, DC:10 p.	1959	Group. duration
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	EC7	Mortality	Mortality	Not reported	Total		99.56	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. duration
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Year class	Not reported	Flow-through	Measured	Fresh water	Lab	1	1	12	Day(s)	LOEC	Accumulation	Residue	Gill(s)	Total	NR	0	ng/L	Heier,L.S., I.B. Lien, A.K. Strømsvaag, M. Ljones, B.O. Rosseland, K.E. Tollefsen, and B. Salbu	115314	Aluminium Chloride Exposure Causes Alterations in Juvenile Brown Trout (Salmo trutta L.) Gill Ion Homeostasis and Biomarker Responses	Sci. Total Environ.427-4267-4355	2009	Group. concentration
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	LC50	Mortality	Mortality	Not reported	Total		99.56	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. duration
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	EC50	Phosphate	Insert rate	Not reported	Total		21.2	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. duration
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	LOEC	Morphology	Skin	Eye	Total		99.56	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. for MATC
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	EC50	Accumulation	Residue	Whole organism	Total		86.42	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. endpoint
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1+	Year class	Not reported	Flow-through	Measured	Fresh water	Lab	1	1	12	Day(s)	NOEC	Accumulation	Residue	Gill(s)	Total	NR	0	ng/L	Heier,L.S., I.B. Lien, A.K. Strømsvaag, M. Ljones, B.O. Rosseland, K.E. Tollefsen, and B. Salbu	115314	Aluminium Chloride Exposure Causes Alterations in Juvenile Brown Trout (Salmo trutta L.) Gill Ion Homeostasis and Biomarker Responses	Sci. Total Environ.427-4267-4355	2009	Group. concentration
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1+	Year class	Not reported	Flow-through	Measured	Fresh water	Lab	1	1	12	Day(s)	NOEC	Accumulation	Residue	Gill(s)	Total	NR	0	ng/L	Heier,L.S., I.B. Lien, A.K. Strømsvaag, M. Ljones, B.O. Rosseland, K.E. Tollefsen, and B. Salbu	115314	Aluminium Chloride Exposure Causes Alterations in Juvenile Brown Trout (Salmo trutta L.) Gill Ion Homeostasis and Biomarker Responses	Sci. Total Environ.427-4267-4355	2009	Group. concentration
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1+	Year class	Not reported	Flow-through	Measured	Fresh water	Lab	1	1	12	Day(s)	NOEC	Accumulation	Residue	Gill(s)	Total	NR	0	ng/L	Heier,L.S., I.B. Lien, A.K. Strømsvaag, M. Ljones, B.O. Rosseland, K.E. Tollefsen, and B. Salbu	115314	Aluminium Chloride Exposure Causes Alterations in Juvenile Brown Trout (Salmo trutta L.) Gill Ion Homeostasis and Biomarker Responses	Sci. Total Environ.427-4267-4355	2009	Group. concentration
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	NOEC	Morphology	Skin	Eye	Total		99.56	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. for MATC
7439896	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	120	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	6	7	Day(s)	LC50	Mortality	Mortality	Not reported	Total		85.42	ng/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	364389	Pre-Zebrafish Iron Nanoparticle Causes Higher Developmental Toxicity than its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Group. duration
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1+	Year class	Not reported	Flow-through	Measured	Fresh water	Lab	1	1	12	Day(s)	NOEC	Accumulation	Residue	Gill(s)	Total	NR	0	ng/L	Heier,L.S., I.B. Lien, A.K. Strømsvaag, M. Ljones, B.O. Rosseland, K.E. Tollefsen, and B. Salbu	115314	Aluminium Chloride Exposure Causes Alterations in Juvenile Brown Trout (Salmo trutta L.) Gill Ion Homeostasis and Biomarker Responses	Sci. Total Environ.427-4267-4355	2009	Group. concentration
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1+	Year class	Not reported	Flow-through	Measured	Fresh water	Lab	1	1	12	Day(s)	NOEC	Accumulation	Residue	Gill(s)	Total	NR	0	ng/L	Heier,L.S., I.B. Lien, A.K. Strømsvaag, M. Ljones, B.O. Rosseland, K.E. Tollefsen, and B. Salbu	115314	Aluminium Chloride Exposure Causes Alterations in Juvenile Brown Trout (Salmo trutta L.) Gill Ion Homeostasis and Biomarker Responses	Sci. Total Environ.427-4267-4355	2009	Group. concentration
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Spawner	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	NR	Injury	Damage	Gill(s)	Total	NR	0	ng/L	Pleuteweis,S., P.J. Vuorinen, M. Vuorinen, and A. Hollnader	119157	The Effects of Iron, Humic Acids and Low pH on the Gills and Physiology of Brown Trout (Salmo trutta)	Ann. Zool. Fennici(2014): 689-994	1994	Group. endpoint
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Spawner	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	NR	Physiology	Oxygen consumption	Not reported	Total	NR	0	ng/L	Pleuteweis,S., P.J. Vuorinen, M. Vuorinen, and A. Hollnader	119157	The Effects of Iron, Humic Acids and Low pH on the Gills and Physiology of Brown Trout (Salmo trutta)	Ann. Zool. Fennici(2014): 689-994	1994	Group. endpoint
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Spawner	Not reported	Egg	Lotic	Measured	Fresh water	Field-natural	NR	NR		Not reported	NR	Mortality	Mortality	Not reported	Total	NR	0.06	ng/L	Geertz-Hansen,P., and E. Mortensen	113170	The Effect of Dissolved and Precipitated Iron on the Reproduction of Brown Trout (Salmo trutta). (Oikos):Virkning Fy	Limnol(1992):55-62	1992	Group. endpoint
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Spawner	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	0	ng/L	Pleuteweis,S., P.J. Vuorinen, M. Vuorinen, and A. Hollnader	119157	The Effects of Iron, Humic Acids and Low pH on the Gills and Physiology of Brown Trout (Salmo trutta)	Ann. Zool. Fennici(2014): 689-994	1994	Group. endpoint
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Spawner	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	NR	Histology	Ultrastructural changes	Gill(s)	Total	NR	0	ng/L	Pleuteweis,S., P.J. Vuorinen, M. Vuorinen, and A. Hollnader	119157	The Effects of Iron, Humic Acids and Low pH on the Gills and Physiology of Brown Trout (Salmo trutta)	Ann. Zool. Fennici(2014): 689-994	1994	Group. endpoint
7439896	Iron	Not reported	NR	Salmo trutta	Brown Trout	Fish, Standard Test Species	1	Spawner	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	NR	Biochemistry	General biochemical effect	Multiple tissue/organ	Total	NR	0	ng/L	Pleuteweis,S., P.J. Vuorinen, M. Vuorinen, and A. Hollnader	119157	The Effects of Iron, Humic Acids and Low pH on the Gills and Physiology of Brown Trout (Salmo trutta)	Ann. Zool. Fennici(2014): 689-994	1994	Group. endpoint
7439896	Iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Total		0.36	ng/L	Klein,M.E., and D.E. Meaghan	45566	Acute Toxicity of Heavy Metals to Common Carp (Cyprinus carpio)	J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic. Hazard. Substance Control(1992): 1857-1816	1992	Group. endpoint
7439896	Iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Total		2.24	ng/L	Klein,M.E., and D.E. Meaghan	45566	Acute Toxicity of Heavy Metals to Common Carp (Cyprinus carpio)	J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic. Hazard. Substance Control(1992): 1857-1816	1992	Group. duration
7439896	Iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Total		0.56	ng/L	Klein,M.E., and D.E. Meaghan	45566	Acute Toxicity of Heavy Metals to Common Carp (Cyprinus carpio)	J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic. Hazard. Substance Control(1992): 1857-1816	1992	Group. duration
7439896	Iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	NR	NR-1056	Day(s)	LC50	Mortality	Mortality	Not reported	Total		420	ng/L	Klein,M.E., and D.E. Meaghan	45566	Acute Toxicity of Heavy Metals to Common Carp (Cyprinus carpio)	J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic. Hazard. Substance Control(1992): 1857-1816	1992	Group. endpoint
7439896	Iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	NR	NR-2840	Day(s)	LC50	Mortality	Mortality	Not reported	Total		0.14	ng/L	Klein,M.E., and D.E. Meaghan	45566	Acute Toxicity of Heavy Metals to Common Carp (Cyprinus carpio)	J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic. Hazard. Substance Control(1992): 1857-1816	1992	Group. endpoint
7439896	Iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	NR	NR-1056	Day(s)	LC50	Mortality	Mortality	Not reported	Total		0.42	ng/L	Klein,M.E., and D.E. Meaghan	45566	Acute Toxicity of Heavy Metals to Common Carp (Cyprinus carpio)	J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic. Hazard. Substance Control(1992): 1857-1816	1992	Group. endpoint
7439896	Iron	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Flow-through	Unmeasured	Fresh water	Lab	NR	NR		Not reported	NR	Development	Developmental changes, general	Not reported	Total		0.4	ng/L	Amelang,M.	35171	Effects of Dissolved Iron Compounds on Developing Eggs and Larvae of Salmo Gairdneri Richardson	Arch. Fischereiwiss.32(1-3): 77-97	1982	Group. endpoint
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	6	6	7	Day(s)	EC50	Population	Population growth rate	Not reported	Total		1.01	ng/L	Driss,Y., and A.M. Tudozie	38757	Ecotoxicological Effects of Heavy Metals on Duckweed Plants (Lemna minor). III. Tests for Growth Rate Reducing by Copper and Iron	Sci. Bull. Sec. 33(Q):7-20	2015	Group. for EC50
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	6	6	7	Day(s)	EC50	Population	Population growth rate	Not reported	Total		0.94	ng/L	Driss,Y., and A.M. Tudozie	38757	Ecotoxicological Effects of Heavy Metals on Duckweed Plants (Lemna minor). III. Tests for Growth Rate Reducing by Copper and Iron	Sci. Bull. Sec. 33(Q):7-20	2015	Group. for EC50
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	6	6	7	Day(s)	EC50	Population	Population growth rate	Not reported	Total		2.63	ng/L	Driss,Y., and A.M. Tudozie	38757	Ecotoxicological Effects of Heavy Metals on Duckweed Plants (Lemna minor). III. Tests for Growth Rate Reducing by Copper and Iron	Sci. Bull. Sec. 33(Q):7-20	2015	Group.
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	6	6	7	Day(s)	EC50	Population	Population growth rate	Not reported	Total		2.02	ng/L	Driss,Y., and A.M. Tudozie	38757	Ecotoxicological Effects of Heavy Metals on Duckweed Plants (Lemna minor). III. Tests for Growth Rate Reducing by Copper and Iron	Sci. Bull. Sec. 33(Q):7-20	2015	Group.
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR		Day(s)	EC50	Growth	Growth, general	Not reported	Total		0.7	ng/L	Wang,W.	11706	Toxicity Tests of Aquatic Pollutants by Using Common Duckweed	Environ. Pollut. Ser. B Chem. Phys.15(2): 179-214	1988	Group. for EC50
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	6	6	7	Day(s)	EC50	Population	Population growth rate	Not reported	Total		83.64	ng/L	Driss,Y., and A.M. Tudozie	38757	Ecotoxicological Effects of Heavy Metals on Duckweed Plants (Lemna minor). III. Tests for Growth Rate Reducing by Copper and Iron	Sci. Bull. Sec. 33(Q):7-20	2015	Group. for EC50
7439896	Iron	Not reported	NR	Lemna minor	Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	6	6	7	Day(s)	EC50	Population	Population growth rate	Not reported	Total		83.64	ng/L	Driss,Y., and A.M. Tudozie	38757	Ecotoxicological Effects of Heavy Metals on Duckweed Plants (Lemna minor). III. Tests for Growth Rate Reducing by Copper and Iron	Sci. Bull. Sec. 33(Q):7-20	2015	Group. for EC50
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	42	Day(s)	EC50	Behavior	Behavioral changes, general	Not reported	Total		0.67	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	42	Day(s)	EC50	Feeding behavior	Feeding behavior, general	Not reported	Total		0.48	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group. for longer duration
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	28	Day(s)	LC50	Feeding behavior	Feeding behavior, general	Not reported	Total		53.5	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	42	Day(s)	EC50	Behavior	Behavioral changes, general	Not reported	Total		0.64	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group. for longer duration
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	42	Day(s)	LC50	Mortality	Mortality	Not reported	Total		79.07	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group. for EC50
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Lotic	Measured	Fresh water	Field-natural	NR	NR	60	Day(s)	NR-0992	Mortality	Mortality	Not reported	Total		1.66	ng/L	Gerhard,A., and P. Wintermann	38418	Effects of Precipitations of Iron Hydroxides on Leptophlebia marginata (L.) (Insecta: Ephemeroptera) in the Drosing of Acidogenic Bacteria by a Hydrobiologia	Arch. Hydrobiol.131(1): 81-93	1994	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Lotic	Measured	Fresh water	Field-natural	NR	NR	60	Day(s)	NR-0992	Mortality	Mortality	Not reported	Total	NR	0	ng/L	Gerhard,A., and P. Wintermann	38418	Effects of Precipitations of Iron Hydroxides on Leptophlebia marginata (L.) (Insecta: Ephemeroptera) in the Drosing of Acidogenic Bacteria by a Hydrobiologia	Arch. Hydrobiol.131(1): 81-93	1994	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Lotic	Measured	Fresh water	Field-natural	NR	NR	60	Day(s)	NR	Histology	Ultrastructural changes, general	Multiple tissue/organ	Total		0.54	ng/L	Gerhard,A., and P. Wintermann	38418	Effects of Precipitations of Iron Hydroxides on Leptophlebia marginata (L.) (Insecta: Ephemeroptera) in the Drosing of Acidogenic Bacteria by a Hydrobiologia	Arch. Hydrobiol.131(1): 81-93	1994	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Lotic	Measured	Fresh water	Field-natural	NR	NR		Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total		1.64	ng/L	Gerhard,A., and P. Wintermann	38418	Effects of Precipitations of Iron Hydroxides on Leptophlebia marginata (L.) (Insecta: Ephemeroptera) in the Drosing of Acidogenic Bacteria by a Hydrobiologia	Arch. Hydrobiol.131(1): 81-93	1994	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	42	Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	NR	0	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	42	Day(s)	NR	Biochemistry	General biochemical effect	Whole organism	Total	NR	0	ng/L	Gerhard,A.	38418	Acute and Angle Toxicity of Cd and Fe Related to Metal Uptake in the Mayfly Leptophlebia marginata (L.) (Insecta)	Hydrobiologia(2006): 229-240	1999	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Lotic	Measured	Fresh water	Field-natural	NR	NR		Day(s)	NR	Histology	Ontological changes, general	Multiple tissue/organ	Total	NR	0	ng/L	Gerhard,A., and P. Wintermann	38418	Effects of Precipitations of Iron Hydroxides on Leptophlebia marginata (L.) (Insecta: Ephemeroptera) in the Drosing of Acidogenic Bacteria by a Hydrobiologia	Arch. Hydrobiol.131(1): 81-93	1994	Group. endpoint
7439896	Iron	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Lotic	Measured	Fresh water	Field-natural	NR	NR		Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	NR	0	ng/L	Gerhard,A., and P. Wintermann	38418	Effects of Precipitations of Iron Hydroxides on Leptophlebia marginata (L.) (Insecta: Ephemeroptera) in the Drosing of Acidogenic Bacteria by a Hydrobiologia	Arch. Hydrobiol.131(1): 81-93	1994	Group. endpoint
7439896	Iron	Not reported	NR	Plankton	Plankton	Microfauna+aa	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR		Day(s)	NR	Population	Abundance	Not reported	Total	NR	0	ng/L	Mottershead,S., and D.R. Johnson	26599	Regulated Protozoan Abundance in Response to Enhancement of Zinc and Iron Enrichments	Environ. Exp. Bot.(Oxford):75-86	1987	Group. endpoint
7439896	Iron	Not reported	NR	Plankton	Plankton	Microfauna+aa	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	1	1	1	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved		6.7E+04	E+05 ng/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, L.N. Pulland, W.K. Johnson, N. Sutton	83769	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.:48(4): 1583-1602	2003	Group. saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Microfauna+aa	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	1	1	1	Day(s)	LOEL	Biochemistry	Phosphate	Not reported	Dissolved		6.7E+04	E+05 ng/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, L.N. Pulland, W.K. Johnson, N. Sutton	83769	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.:48(4): 1583-1602	2003	Group. saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Microfauna+aa	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	1	1	1	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved		6.7E+04	E+05 ng/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, L.N. Pulland, W.K. Johnson, N. Sutton	83769	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.:48(4): 1583-1602	2003	Group. saltwater

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Biochemistry	Nitrate concentration (NO3-)	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Biochemistry	Silicon content	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Biochemistry	Phosphate	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Biochemistry	Nitrate concentration (NO3-)	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Total	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Population	Chlorophyll	Not reported	Total	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Total	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	LOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Biochemistry	Silicon content	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Population	Chlorophyll	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Biochemistry	Silicon content	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Population	Chlorophyll	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	4	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NOEL	Physiology	C-14 Uptake	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: saltwater
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NR	Population	Abundance	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	NR	Day(s)	NR	Physiology	Physiology, general	Not reported	Dissolved	0.000100525	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Measured	Salt water	Lab	2	8	Day(s)	NR	Population	Abundance	Not reported	Dissolved	6.70164E-05	AI mg/L	Crawford,D.W., M.S. Lipsen, D.A. Purdie, M.C. Lohan, P.J. Statham, F.A. Whitney, J.N. Putland, W.K. Johnson, N. Sutherl	82988	Influence of Zinc and Iron Enrichments on Phytoplankton Growth in the Northeastern Subarctic Pacific	Limnol. Oceanogr.48(4): 1583-1600	2003	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.142	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.142	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.034	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.044	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.035	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.035	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.027	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.027	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.034	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.017	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.018	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.018	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.019	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.017	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.019	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	273.96	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.014	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	0.014	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Cerastoderma edule	Cockle	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Portmann,J.E.	9258	Results of Acute Toxicity Tests with Marine Organisms, Using a Standard Method	In: M.Ruivo (Ed.), Marine Pollution and Sea Life, FAO, Rome, Italy / Fishing News (Books) Ltd., London, England:212-	1972	Drop: saltwater
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	LOEC	Accumulation	Residue	Soft tissue	Total	0.019	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	LOEC	Accumulation	Residue	Soft tissue	Total	0.452	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.035	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.018	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.044	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.034	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.027	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.142	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint
7439896	Iron	Not reported	NR	Unionidae	Mussel Family	Molluscs	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field natural	2	608.8	Day(s)	NOEC	Accumulation	Residue	Soft tissue	Total	0.014	AI mg/L	Klusek,C.S., M. Heit, and S. Hodgkiss	81514	Trace Element Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	In: R.F.Keefer and K.S.Sajwan (Eds.), Trace Elements in Coal and Coal Combustion Residues, Boca Raton, FL:59-	1993	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Dose and Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7439896	Iron	Not reported	NR	Ulvaintalae	Mazzari Family	Mollusks	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field-natural	2	60	D(a-b)	NOEC	Accumulation	Residue	Soft tissue	Total		0.02	D-W mg/L	Klasnik,C.S., M. Hett, and S. Hodgkiss	8331	Cadmium Concentrations in the Soft Tissue of Transplanted Freshwater Mussels Near a Coal-Fired Power Plant	Bull Environ Contam Toxicol (1991) 47: 333-340	1991	Group endpoint
7439896	Iron	Not reported	NR	Lanxitiaris corrianus	Bivalve	Mollusks	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		60	D(a-b)	NR	Accumulation	Accumulation, general	Multiple tissue/organ	Total	NR		D-W mg/L	Ingels,P.T., S. Viswarajan, S.A. Suryawanshi, and R.G. Kulkarni	19109	Cadmium Accumulation in the Bivalve Lanxitiaris corrianus (Preliminary Results) with Reference to Patalganga River	Environ. Stud (Nizl.) 31: 91	1997	Group endpoint
7439896	Iron	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Food	Unmeasured	Salt water	Lab	NR	NR	1	D(a-b)	NR	Accumulation	Accumulation, general	Not reported	Total			18.45	mg/kg food	Use of Carboxyl-Iron to Induce Iron Loading in the Mussel Mytilus edulis Talbot	9832	Use of Carboxyl-Iron to Induce Iron Loading in the Mussel Mytilus edulis	Mar. Biotechnol 5:24-29	1993	Group endpoint
7439896	Iron	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	1	2	D(a-b)	NR	Avoidance	Chemical avoidance	Not reported	Total		1	umol/cm2	Fitch,H., S. Higashiji, and K. Jay	9879	Preliminary Studies on Iron Transporting Substances in the Blue Mussel, Mytilus edulis galloprovincialis	J. Mar. Biotechnol 6:24-29	1998	Group endpoint
7439896	Iron	Not reported	NR	Hyalophogerum schisicaum	Bryophyte	Moss, Hornworts	NR	Not reported	Not reported	Lotic	Measured	Fresh water	Field-natural	NR		40	D(a-b)	NCF	Accumulation	Residue	Not reported	Dissolved		0.0350	D-W mg/L	Carter,L.P., and S.D. Porter	18167	Trace-Element Accumulation by Hyalophogerum schisicaum in the Upper Rio Grande Basin, Colorado and New Mexico, USA	Environ. Toxicol. Chem 16(12): 2521-2526	1997	Group endpoint
7439896	Iron	Not reported	NR	Hyalophogerum schisicaum	Bryophyte	Moss, Hornworts	NR	Not reported	Not reported	Lotic	Measured	Fresh water	Field-natural	NR		80	D(a-b)	NCF	Accumulation	Residue	Not reported	Dissolved		0.0350	D-W mg/L	Carter,L.P., and S.D. Porter	18167	Trace-Element Accumulation by Hyalophogerum schisicaum in the Upper Rio Grande Basin, Colorado and New Mexico, USA	Environ. Toxicol. Chem 16(12): 2521-2526	1997	Group endpoint
7439896	Iron	Not reported	NR	Hyalophogerum schisicaum	Bryophyte	Moss, Hornworts	NR	Not reported	Not reported	Lotic	Measured	Fresh water	Field-natural	NR		80	D(a-b)	NCF	Accumulation	Residue	Not reported	Dissolved		0.0350	D-W mg/L	Carter,L.P., and S.D. Porter	18167	Trace-Element Accumulation by Hyalophogerum schisicaum in the Upper Rio Grande Basin, Colorado and New Mexico, USA	Environ. Toxicol. Chem 16(12): 2521-2526	1997	Group endpoint
7439896	Iron	Not reported	NR	Eugenia dionisiosphilata	Rotiferifaria, Plateamia	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		0.042	D(a-b)	NR	Behavior	Behavioral changes, general	Not reported	Total	NR		D-W mg/L	Kapu,M.M., and D.J. Schieffer	10368	Physiological Toxicology, Iron Homeostasis and Damage and the Release of Dissolved Organic Carbon and Exosome by Fathaniomemon floo-aquae After Exposure to Water-Treatment Chemicals	Arch. Environ. Contam. Toxicol 47(2): 263-267	1967	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Aphanizomenon flos-aquae	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		0.042	D(a-b)	NOEC	Physiology	Nitrogen fixation	Not reported	Total	>29		D-W mg/L	Peterson,H.G., S.E. Healey, J.R. Castle, T.R. Perley, and S.L. Kenefick	13218	Physiological Toxicity, Iron Homeostasis and Damage and the Release of Dissolved Organic Carbon and Exosome by Aphanizomenon flos-aquae After Exposure to Water-Treatment Chemicals	Water Res.29(6): 1515-1523	1995	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Aphanizomenon flos-aquae	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		0.914	D(a-b)	NOEC	Physiology	Nitrogen fixation	Not reported	Total	>29		D-W mg/L	Peterson,H.G., S.E. Healey, J.R. Castle, T.R. Perley, and S.L. Kenefick	13218	Physiological Toxicity, Iron Homeostasis and Damage and the Release of Dissolved Organic Carbon and Exosome by Aphanizomenon flos-aquae After Exposure to Water-Treatment Chemicals	Water Res.29(6): 1515-1523	1995	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Scrobasenia delicium	Blue-Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	NR	Population	Population changes, general	Not reported	Total	NR		D-W mg/L	Rai,L.C., and N. Mallick	7356	Removal and Assessment of Toxicity of Cu and Fe to Anabaena dolicium and Chlorella vulgaris Using Free and Immobilized Cells	J. Microbiol. Biotechnol 8(2): 110-116	1998	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Hydra sp.	Diskum	Algae	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Salt water	Lab	NR		1	D(a-b)	NR	Population	Abundance	Not reported	Total		1.94667	D-W mg/L	Morrieu,C., I.M. Robert, and J. Rouillard	20274	Effect of Iron and Manganese on the Growth of the Diatom Hydra sidneara in Batch Culture	Life Biol Mar.3(4/2): 269-279	1994	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Scrobasenia delicium	Blue-Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	NR	Accumulation	Accumulation, general	Not reported	Total	NR		D-W mg/L	Rai,L.C., and N. Mallick	7356	Removal and Assessment of Toxicity of Cu and Fe to Anabaena dolicium and Chlorella vulgaris Using Free and Immobilized Cells	J. Microbiol. Biotechnol 8(2): 110-116	1998	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Scrobasenia delicium	Blue-Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	NR	Biochemistry	General biochemical effect	Not reported	Total	NR		D-W mg/L	Rai,L.C., and N. Mallick	7356	Removal and Assessment of Toxicity of Cu and Fe to Anabaena dolicium and Chlorella vulgaris Using Free and Immobilized Cells	J. Microbiol. Biotechnol 8(2): 110-116	1998	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR		0.083	D(a-b)	NR	Biochemistry	Bicarbonate (HCO3-) concentration	Not reported	Total			0.45	mg/L	A Recovery Study of Effects of Zooplankton, Iron and NTA on Algal Photosynthesis in Lake Water: Use of a Mass	21304	A Recovery Study of Effects of Zooplankton, Iron and NTA on Algal Photosynthesis in Lake Water: Use of a Mass	Aquat Ecotoxicol(Amst) 19(4): 295-301	1990	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Not reported	Fresh water	Lab	NR		0.083	D(a-b)	NR	Biochemistry	Bicarbonate (HCO3-) concentration	Not reported	Total			0.45	mg/L	Short-Term Toxicity of Iron to Rhizoclonitic Algae and Bacteria in a Natural Polluted Stream	20274	Short-Term Toxicity of Iron to Rhizoclonitic Algae and Bacteria in a Natural Polluted Stream	Water Res.33(9): 1989-1996	1999	Group endpoint
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	1000	Population	Population changes, general	Not reported	Total			0.45	mg/L	Tolerance of Chlorella vulgaris for Metallic and Non-Metallic Ions	20274	Tolerance of Chlorella vulgaris for Metallic and Non-Metallic Ions	Arcvaro ven Leeuwenhoek Microbiol(US) 30:1-313	1963	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	NOEC	Population	Population changes, general	Not reported	Total			0.45	mg/L	Tolerance of Chlorella vulgaris for Metallic and Non-Metallic Ions	20274	Tolerance of Chlorella vulgaris for Metallic and Non-Metallic Ions	Arcvaro ven Leeuwenhoek Microbiol(US) 30:1-313	1963	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	NR	Population	Population changes, general	Not reported	Total			200.00	mg/L	The Effects of Iron and Sulfate Compounds on the Growth of Chlorella	8566	The Effects of Iron and Sulfate Compounds on the Growth of Chlorella	Proc. W. Va. Acad. Sci.45(2): 127-135	1973	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		3	D(a-b)	NR	Accumulation	Accumulation, general	Not reported	Total	NR		D-W mg/L	Rai,L.C., and N. Mallick	7356	Removal and Assessment of Toxicity of Cu and Fe to Anabaena dolicium and Chlorella vulgaris Using Free and Immobilized Cells	J. Microbiol. Biotechnol 8(2): 110-116	1998	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	3	D(a-b)	NR	Biochemistry	General biochemical effect	Not reported	Total	NR		50	mg/L	Rai,L.C., and N. Mallick	7356	Removal and Assessment of Toxicity of Cu and Fe to Anabaena dolicium and Chlorella vulgaris Using Free and Immobilized Cells	J. Microbiol. Biotechnol 8(2): 110-116	1998	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Chlorella vulgaris	Green Algae	Algae, Standard Test Species	NR	Not reported	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	3	D(a-b)	NR	Population	Population changes, general	Not reported	Total	NR		D-W mg/L	Rai,L.C., and N. Mallick	7356	Removal and Assessment of Toxicity of Cu and Fe to Anabaena dolicium and Chlorella vulgaris Using Free and Immobilized Cells	J. Microbiol. Biotechnol 8(2): 110-116	1998	Group endpoint
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.430	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.430	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.430	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		0.2233	D(a-b)	1700	Mortality	Mortality	Not reported	Total			5.714	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		2.33	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.08	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		1.333	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.08	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		0.4933	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.08	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Duttaphrynus melanostictus	Asian Common Toad	Amphibians		21	Growing season	Tadpole	Renewal	Unmeasured	Fresh water	Lab		0.75	D(a-b)	1700	Mortality	Mortality	Not reported	Total			0.425	mg/L	Bhuhanin-Chhoran,M., Y. Nadaillal, N.S. Umrath, and A.K. Ahmad	19182	Toxicity of Metals to Tadpoles of the Common Sunda Toad, Duttaphrynus melanostictus	Toxicol. Environ. Chem.90(2): 360-374	2012	Group duration
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Rhyncobatis waiti	Iberian Ribbed Newt	Amphibians		1.5	Eggs	Larva	Renewal	Unmeasured	Fresh water	Lab		1	D(a-b)	NR	Cell(s)	Red blood cell	Blood	Total	NR		0.1	mg/L	Waiti,K.T., M. Abbiss, D. Burnet, A.M. Fraser, and J. Hetherington	20117	The Genotoxicity of Iron and Chromium Compounds in Erythrocytes of Rhyncobatis waiti	Mutat. Res. 370(1): 19-28	1996	Group endpoint
7755006	Iron chloride (FeCl3)	Analytical grade	NR	Rhyncobatis waiti	Iberian Ribbed Newt	Amphibians		1.5	Eggs	Larva	Renewal	Unmeasured	Fresh water	Lab		1	D(a-b)	NR	Genetics	Micronuclei	Blood	Total	NR		0.1	mg/L	Aliter, and P. Vescar	20117	The Genotoxicity of Iron and Chromium Compounds in Erythrocytes of Rhyncobatis waiti	Mutat. Res. 370(1): 19-28	1996	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NCF	Accumulation	Residue	Whole organism	Total			0.7715	D-W mg/L	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	18170	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	J. Toxicol.2013:8 p.	2013	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NCF	Accumulation	Residue	Whole organism	Total			0.5685	D-W mg/L	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	18170	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	J. Toxicol.2013:8 p.	2013	Group endpoint
7755006	Iron chloride (FeCl3)	Reagent Grade, Puriscium, Purum, Purissi um Puris	NR	Cypris subglobosa	Ostracod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		1	D(a-b)	NOEC	Reproduction	Fecundity	Not reported	Total	NR		135.2	D-W mg/L	Khangarot,B.S., and S. Das	19108	Toxicity of Metals and Reference Toxicants to a Freshwater Ostracod, Cypris subglobosa Sowerby, 1840 and correlation to EC50 Values of Other Test Models	J. Hazard. Mater.17(2/3): 641-648	2009	Group duration
7755006	Iron chloride (FeCl3)	Reagent Grade, Puriscium, Purum, Purissi um Puris	NR	Cypris subglobosa	Ostracod	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		1	D(a-b)	NOEC	Reproduction	Fecundity	Not reported	Total	NR		232.5	D-W mg/L	Khangarot,B.S., and S. Das	19108	Toxicity of Metals and Reference Toxicants to a Freshwater Ostracod, Cypris subglobosa Sowerby, 1840 and correlation to EC50 Values of Other Test Models	J. Hazard. Mater.17(2/3): 641-648	2009	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NR	Mortality	Mortality	Not reported	Total			0.9253	D-W mg/L	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	18170	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	J. Toxicol.2013:8 p.	2013	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NR	Mortality	Mortality	Not reported	Total			0.2798	D-W mg/L	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	18170	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	J. Toxicol.2013:8 p.	2013	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Viviflus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total	NR		43.54	D-W mg/L	Furman,Ö.K.M.	4706	Studies of the Effects of Copper, Zinc, and Iron on the Biotic Components of Aquatic Ecosystems	Rev. Arch. Hydrobiol.(Arch.-F).-(): 231-250	1997	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Austropotamobius pallipes ssp. pallipes	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR		4	D(a-b)	1700*	Mortality	Mortality	Not reported	Total			31.14	D-W mg/L	Roulet,C., and C. Chassemartin	5421	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whitelegg Cells in Radio-polarmedium pallipes pallipes and Orconectes limosus Proprietes Toxiques Specifiques des ets Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	Comptes Rendus Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Group duration
7755006	Iron chloride (FeCl3)	Gr grade	NR	Litopenaeus vannamei	White Shrimp	Crustaceans	NR	Not reported	Not reported	Post-larva	Renewal	Unmeasured	Salt water	Lab	NR		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total	NR		0.1	mg/L	Prias-Espericueta,M.G., D. Valtolina, and I. Chavez-Lopez	7169	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whiteleg Shrimp Litopenaeus vannamei	Bull. Environ. Contam. Toxicol.71(1): 68-75	2003	Group duration
7755006	Iron chloride (FeCl3)	Gr grade	NR	Litopenaeus vannamei	White Shrimp	Crustaceans	NR	Not reported	Not reported	Post-larva	Renewal	Unmeasured	Salt water	Lab	NR		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total			49.26	mg/L	Prias-Espericueta,M.G., D. Valtolina, and I. Chavez-Lopez	7169	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whiteleg Shrimp Litopenaeus vannamei	Bull. Environ. Contam. Toxicol.71(1): 68-75	2003	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NR	Mortality	Mortality	Not reported	Total			0.6033	D-W mg/L	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	18170	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	J. Toxicol.2013:8 p.	2013	Group endpoint
7755006	Iron chloride (FeCl3)	Gr grade	NR	Litopenaeus vannamei	White Shrimp	Crustaceans	NR	Not reported	Not reported	Post-larva	Renewal	Unmeasured	Salt water	Lab	NR		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total	NR		56.55	D-W mg/L	Prias-Espericueta,M.G., D. Valtolina, and I. Chavez-Lopez	7169	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whiteleg Shrimp Litopenaeus vannamei	Bull. Environ. Contam. Toxicol.71(1): 68-75	2003	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Orconectes limosus	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR		4	D(a-b)	1700*	Mortality	Mortality	Not reported	Total			2.42	mg/L	Roulet,C., and C. Chassemartin	5421	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whitelegg Cells in Radio-polarmedium pallipes pallipes and Orconectes limosus Proprietes Toxiques Specifiques des ets Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	Comptes Rendus Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Austropotamobius pallipes ssp. pallipes	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR		4	D(a-b)	1700*	Mortality	Mortality	Not reported	Total			28.53	D-W mg/L	Roulet,C., and C. Chassemartin	5421	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whitelegg Cells in Radio-polarmedium pallipes pallipes and Orconectes limosus Proprietes Toxiques Specifiques des ets Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	Comptes Rendus Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Group duration
7755006	Iron chloride (FeCl3)	Reagent Grade, Puriscium, Purum, Purissi um Puris	NR	Lacuna funiculis	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NR	Mortality	Mortality	Not reported	Total	NR		80.68	D-W mg/L	Birge,W.J., J.A. Black, A.G. Westerman, E.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	4106	Re-Examination on Numerical Values for Responses to Metallic Contaminants for the Purpose of Protecting Wastewater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY-73	1983	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Mesca spinipes	Harpacticoid Copepod	Crustaceans	NR	Not reported	Adult	Static	Unmeasured	Salt water	Lab	NR		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total	NR		0.45	mg/L	Bengtsson,B.E.	21054	Toxicity Tests	Mar. Pollut. Bull.9:238-241	1978	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Austropotamobius pallipes ssp. pallipes	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR		4	D(a-b)	1700*	Mortality	Mortality	Not reported	Total			31.14	D-W mg/L	Roulet,C., and C. Chassemartin	5421	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whitelegg Cells in Radio-polarmedium pallipes pallipes and Orconectes limosus Proprietes Toxiques Specifiques des ets Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	Comptes Rendus Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Group duration
7755006	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	NR		1	D(a-b)	NR	Mortality	Mortality	Not reported	Total			0.9253	D-W mg/L	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	18170	Toxicity of Metals to a Freshwater Ostracod, Stenocypris major	J. Toxicol.2013:8 p.	2013	Group endpoint
7755006	Iron chloride (FeCl3)	Not reported	NR	Orconectes limosus	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR		4	D(a-b)	1700*	Mortality	Mortality	Not reported	Total			2.42	mg/L	Roulet,C., and C. Chassemartin	5421	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whitelegg Cells in Radio-polarmedium pallipes pallipes and Orconectes limosus Proprietes Toxiques Specifiques des ets Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	Comptes Rendus Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Group duration
7755006	Iron chloride (FeCl3)	Gr grade	NR	Litopenaeus vannamei	White Shrimp	Crustaceans	NR	Not reported	Not reported	Post-larva	Renewal	Unmeasured	Salt water	Lab	NR		1	D(a-b)	1700	Mortality	Mortality	Not reported	Total	NR		0.1	mg/L	Prias-Espericueta,M.G., D. Valtolina, and I. Chavez-Lopez	7169	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whiteleg Shrimp Litopenaeus vannamei	Bull. Environ. Contam. Toxicol.71(1): 68-75	2003	Group duration

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7705080	Iron chloride (FeCl3)	Not reported	NR	Orconectes limosus	Crayfish	Crustaceans	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	30	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	22	AI mg/L	Boutet,C., and C. Chaisemartin	5421	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limos	Comptes Rendus Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Keep
7705080	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	1.7233	Day(s)	LT50	Mortality	Mortality	Not reported	Total	0.54893	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.A. Ramle, and A. Abas	165793	Toxicity of Metals to a Freshwater Ostracod: Stenocypris major	J. Toxicol.2011:8 p.	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.175	Day(s)	LT50	Mortality	Mortality	Not reported	Total	5.83664	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.A. Ramle, and A. Abas	165793	Toxicity of Metals to a Freshwater Ostracod: Stenocypris major	J. Toxicol.2011:8 p.	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.9442	Day(s)	LT50	Mortality	Mortality	Not reported	Total	0.77118	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.A. Ramle, and A. Abas	165793	Toxicity of Metals to a Freshwater Ostracod: Stenocypris major	J. Toxicol.2011:8 p.	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.4221	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1.084	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.A. Ramle, and A. Abas	165793	Toxicity of Metals to a Freshwater Ostracod: Stenocypris major	J. Toxicol.2011:8 p.	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Stenocypris major	Seed Shrimp	Crustaceans	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.2888	Day(s)	LT50	Mortality	Mortality	Not reported	Total	3.37002	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.A. Ramle, and A. Abas	165793	Toxicity of Metals to a Freshwater Ostracod: Stenocypris major	J. Toxicol.2011:8 p.	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Mesocyclops leuckarti	Cyclopoid Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	MATC	Intoxication	Immobile	Not reported	Total	126	AI mg/L	Anderson,B.G., T.F. Andrews, D.C. Chandler, and W.J. Jahoda	60644	The Evaluation of Aquatic Invertebrates as Assay Organisms for the Determination of the Toxicity of	Final Report 51, American Petroleum Institute Project, Ohio State University, Columbus, OH:	1948	Keep
7705080	Iron chloride (FeCl3)	Not reported	NR	Cyclops vernalis	Cyclopoid	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	MATC	Intoxication	Immobile	Not reported	Total	116	AI mg/L	Anderson,B.G., T.F. Andrews, D.C. Chandler, and W.J. Jahoda	60644	The Evaluation of Aquatic Invertebrates as Assay Organisms for the Determination of the Toxicity of	Final Report 51, American Petroleum Institute Project, Ohio State University, Columbus, OH:	1948	Keep
7705080	Iron chloride (FeCl3)	Gr grade	NR	Litopenaeus vannamei	White Shrimp	Crustaceans	NR	Not reported	Post-larva	Renewal	Unmeasured	Salt water	Lab	NR	0.5	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	80	AI mg/L	Frias-Espericueta,M.G., D. Voltolina, and J.I. Osuna-Lopez	71692	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whiteleg Shrimp Litopenaeus vannamei	Bull. Environ. Contam. Toxicol.71(1): 68-74	2003	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia carinata	Water Flea	Crustaceans	NR	Not reported	Adult	Static	Measured	Fresh water	Lab	NR	<10	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	3.88	AI mg/L	Van Dam,R.A., M.J. Barry, J.T. Ahokas, and D.A. Holdway	19150	Effects of Water-Borne Iron and Calcium on the Toxicity of Diethylenetriamine Pentaacetic Acid (DTPA) to Daphnia carinata	Aquat. Toxicol.42(1): 49-66	1998	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia carinata	Water Flea	Crustaceans	NR	Not reported	Adult	Static	Measured	Fresh water	Lab	NR	<10	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1.49	AI mg/L	Van Dam,R.A., M.J. Barry, J.T. Ahokas, and D.A. Holdway	19150	Effects of Water-Borne Iron and Calcium on the Toxicity of Diethylenetriamine Pentaacetic Acid (DTPA) to Daphnia carinata	Aquat. Toxicol.42(1): 49-66	1998	Drop: endpoint
7705080	Iron chloride (FeCl3)	Gr grade	NR	Litopenaeus vannamei	White Shrimp	Crustaceans	NR	Not reported	Post-larva	Renewal	Unmeasured	Salt water	Lab	NR	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	30	AI mg/L	Frias-Espericueta,M.G., D. Voltolina, and J.I. Osuna-Lopez	71692	Acute Toxicity of Copper, Zinc, Iron, and Manganese and of the Mixtures Copper-Zinc and Iron-Manganese to Whiteleg Shrimp Litopenaeus vannamei	Bull. Environ. Contam. Toxicol.71(1): 68-74	2003	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia carinata	Water Flea	Crustaceans	1	Instar	Neonate	Renewal	Measured	Fresh water	Lab	NR	NR	Until hatch	NR	Reproduction	Progeny counts/numbers	Not reported	Total	NR	AI mg/L	Van Dam,R.A., M.J. Barry, J.T. Ahokas, and D.A. Holdway	20351	Investigating Mechanisms of Diethylenetriamine Pentaacetic Acid Toxicity to the Cladoceran, Daphnia carinata	Aquat. Toxicol.46(3): 191-210	1999	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Not reported	Cyst	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Total	NR	AI mg/L	Chen,J.C., and P.C. Liu	2749	Accumulation of Heavy Metals in the Nauplii of Artemia salina	J. World Aquac. Soc.18(2): 84-93	1987	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia carinata	Water Flea	Crustaceans	NR	Not reported	Multiple	Static	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Development	Maturity	Not reported	Total	NR	AI mg/L	Van Dam,R.A., M.J. Barry, J.T. Ahokas, and D.A. Holdway	19150	Effects of Water-Borne Iron and Calcium on the Toxicity of Diethylenetriamine Pentaacetic Acid (DTPA) to Daphnia carinata	Aquat. Toxicol.42(1): 49-66	1998	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia carinata	Water Flea	Crustaceans	NR	Not reported	Multiple	Static	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Reproduction	Progeny counts/numbers	Not reported	Total	3.88	AI mg/L	Van Dam,R.A., M.J. Barry, J.T. Ahokas, and D.A. Holdway	19150	Effects of Water-Borne Iron and Calcium on the Toxicity of Diethylenetriamine Pentaacetic Acid (DTPA) to Daphnia carinata	Aquat. Toxicol.42(1): 49-66	1998	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Lirceus fontinalis	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Survival	Not reported	Total	NR	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia carinata	Water Flea	Crustaceans	NR	Not reported	Multiple	Static	Measured	Fresh water	Lab	NR	<10	Day(s)	NR	Growth	Length	Whole organism	Total	NR	AI mg/L	Van Dam,R.A., M.J. Barry, J.T. Ahokas, and D.A. Holdway	19150	Effects of Water-Borne Iron and Calcium on the Toxicity of Diethylenetriamine Pentaacetic Acid (DTPA) to Daphnia carinata	Aquat. Toxicol.42(1): 49-66	1998	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	12	Hour(s)	Not reported	Renewal	Measured	Fresh water	Lab	NR	21	Day(s)	EC50*	Reproduction	Reproduction, general	Not reported	Total	5.2	AI mg/L	Biesinger,K.E., and G.M. Christensen	2022	Effects of Various Metals on Survival, Growth, Reproduction and Metabolism of Daphnia magna	J. Fish. Res. Board Can.29(12): 1691-1700	1972	Keep
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	12	Hour(s)	Not reported	Static	Measured	Fresh water	Lab	NR	2	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	9.6	AI mg/L	Biesinger,K.E., and G.M. Christensen	2022	Effects of Various Metals on Survival, Growth, Reproduction and Metabolism of Daphnia magna	J. Fish. Res. Board Can.29(12): 1691-1700	1972	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	12	Hour(s)	Not reported	Renewal	Measured	Fresh water	Lab	NR	21	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	5.9	AI mg/L	Biesinger,K.E., and G.M. Christensen	2022	Effects of Various Metals on Survival, Growth, Reproduction and Metabolism of Daphnia magna	J. Fish. Res. Board Can.29(12): 1691-1700	1972	Keep
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	8	2	Day(s)	EC84	Intoxication	Immobile	Whole organism	Total	8.8	AI mg/L	Fjallborg,B., B. Li, E. Nilsson, and G. Dave	101768	Toxicity Identification Evaluation of Five Metals Performed with Two Organisms (Daphnia magna and Lactuca sativa)	Arch. Environ. Contam. Toxicol.50(2): 196-204	2006	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	8	2	Day(s)	EC84	Intoxication	Immobile	Whole organism	Total	8.8	AI mg/L	Fjallborg,B., B. Li, E. Nilsson, and G. Dave	101768	Toxicity Identification Evaluation of Five Metals Performed with Two Organisms (Daphnia magna and Lactuca sativa)	Arch. Environ. Contam. Toxicol.50(2): 196-204	2006	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	2.048	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	0.128	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	0.512	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	8.192	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	0.256	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	4.096	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	2.048	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	16.384	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	0.512	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	4.096	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	0.128	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	8.192	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	1.024	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	32.768	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	1.024	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	ET50	Intoxication	Immobile	Not reported	Total	16.384	AI mg/L	Dave,G.	11382	Effects of Waterborne Iron on Growth, Reproduction, Survival and Haemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol.78(2): 433-438	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC10	Reproduction	Fecundity	Not reported	Total	0.161	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC10	Reproduction	Fecundity	Not reported	Total	0.484	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC10	Reproduction	Fecundity	Not reported	Total	0.817	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC25	Reproduction	Fecundity	Not reported	Total	1.24	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC25	Reproduction	Fecundity	Not reported	Total	1.52	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC25	Reproduction	Fecundity	Not reported	Total	0.84	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC50	Reproduction	Fecundity	Not reported	Total	1.86	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC50	Reproduction	Fecundity	Not reported	Total	>1.2	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Brood or litter	IC50	Reproduction	Fecundity	Not reported	Total	2.24	AI mg/L	Zuiderveen,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ.6:551-556	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Survival	Not reported	Total	17.35	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Americamysis bahia	Opossum Shrimp	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	90.4	AI mg/L	Carr,R.S.	17308	Total Organic Carbon (TOC) Data for Battelle Duxbury Seawater	July 21 Memo to Michael DeGraeve, Battelle Columbus Laboratories, Columbus,OH:71 p.	1987	Drop: saltwater
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1.0417	Day(s)	LC50	Mortality	Mortality	Not reported	Total	36	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	98	Americamysis bahia	Opossum Shrimp	Crustaceans; Standard Test Species	NR	Day(s)	Juvenile	Static	Unmeasured	Salt water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	102	AI mg/L	Carr,S.	155283	Saltwater Toxicity Test Data for FY '87 Advisory Chemicals	Memo from S.Carr of Battelle Ocean Sciences to F.Gostomski of USEPA with Attached Test Protocol and 14 Toxicity Test Reports:83 p.	1987	Drop: saltwater
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	76	AI mg/L	Cabejszek,I., and M. Stasiak	323	Investigation on the Influence of some Metals on the Biocoenosis of Water with the Use of Daphnia magna as an Indicator (Part I) (Badania nad Wplywem Niektorych Metali na Biocenoze Wodna przy Zastosowaniu Daphnia magna	Roczyn. Zabl. Hig. Warsaw11:303-312	1960	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2.0833	Day(s)	LC50	Mortality	Mortality	Not reported	Total	21	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: duration
7705080	Iron chloride (FeCl3)	Commercial grade	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	36.69	AI mg/L	Fort,D.J., and E.L. Stover	19193	Impact of Toxicities and Potential Interactions of Flocculants and Coagulant Aids on Whole Effluent	Water Environ. Res.67(6): 921-925	1995	Drop: duration
7705080	Iron chloride (FeCl3)	Commercial grade	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	30.06	AI mg/L	Fort,D.J., and E.L. Stover	19193	Impact of Toxicities and Potential Interactions of Flocculants and Coagulant Aids on Whole Effluent	Water Environ. Res.67(6): 921-925	1995	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	98	Americamysis bahia	Opossum Shrimp	Crustaceans; Standard Test Species	NR	Day(s)	Juvenile	Static	Unmeasured	Salt water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	115	AI mg/L	Carr,S.	155283	Saltwater Toxicity Test Data for FY '87 Advisory Chemicals	Memo from S.Carr of Battelle Ocean Sciences to F.Gostomski of USEPA with Attached Test Protocol and 14 Toxicity Test Reports:83 p.	1987	Drop: saltwater
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	5	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	65	AI mg/L	Cabejszek,I., and M. Stasiak	323	Investigation on the Influence of some Metals on the Biocoenosis of Water with the Use of Daphnia magna as an Indicator (Part I) (Badania nad Wplywem Niektorych Metali na Biocenoze Wodna przy Zastosowaniu Daphnia magna	Roczyn. Zabl. Hig. Warsaw11:303-312	1960	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	1	Instar	Larva	Renewal	Measured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	12.93	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR	21	Day(s)	LC50	Mortality	Survival	Not reported	Total	10.62	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: for MATC
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4.2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	15	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	69	AI mg/L	Cabejszek,I., and M. Stasiak	323	Investigation on the Influence of some Metals on the Biocoenosis of Water with the Use of Daphnia magna as an Indicator (Part I) (Badania nad Wplywem Niektorych Metali na Biocenoze Wodna przy Zastosowaniu Daphnia magna	Roczyn. Zabl. Hig. Warsaw11:303-312	1960	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	84	AI mg/L	Cabejszek,I., and M. Stasiak	323	Investigation on the Influence of some Metals on the Biocoenosis of Water with the Use of Daphnia magna as an Indicator (Part I) (Badania nad Wplywem Niektorych Metali na Biocenoze Wodna przy Zastosowaniu Daphnia magna	Roczyn. Zabl. Hig. Warsaw11:303-312	1960	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	74	AI mg/L	Cabejszek,I., and M. Stasiak	323	Investigation on the Influence of some Metals on the Biocoenosis of Water with the Use of Daphnia magna as an Indicator (Part I) (Badania nad Wplywem Niektorych Metali na Biocenoze Wodna przy Zastosowaniu Daphnia magna	Roczyn. Zabl. Hig. Warsaw11:303-312	1960	Drop: duration

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Deats	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR		24 hr(s)	LC50	Mortality	Survival	Not reported	Total		0.3-0.4	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		24 hr(s)	LC50	Mortality	Mortality	Not reported	Total		55	mg/L	Tomasik,P., Ch.H. Magadza, S. Mhoto, and A. Chiuma	45814	The Metal-Metal Interactions in Ecological Systems, Part III. Daphnia	Water Air Soil Pollut;82:695-713	1995	Drop. duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		Almost or litter	LOEC	Reproduction	Fecundity	Not reported	Total		0.06-0.12	mg/L	Easterwood,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ;6:552-556	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		Almost or litter	LOEC	Reproduction	Fecundity	Not reported	Total		0.06-0.12	mg/L	Easterwood,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ;6:552-556	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	LOEC	Reproduction	Progeny counts/numbers	Not reported	Total		1.3-2.6	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	LOEC	Growth	Length	Not reported	Total		1.3-2.6	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	MATC	Reproduction	Progeny counts/numbers	Not reported	Total		0.96-1.9	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop.
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		Almost or litter	MATC	Reproduction	Fecundity	Not reported	Total		0.06-0.12	mg/L	Easterwood,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ;6:552-556	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	MATC	Reproduction	Progeny counts/numbers	Not reported	Total		0.96-1.9	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	Lab	Hour(s)	Young	Static	Unmeasured	Fresh water	Lab	NR	0.66667	Day(s)	NOEC	Reproduction	Immobile	Not reported	Total		138	mg/L	Anderson,B.G.	22736	Determining the Use of Daphnia	Sewage Works J;14(6): 1156-1165	1942	Drop. duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		Almost or litter	NOEC	Reproduction	Fecundity	Not reported	Total		0.12-0.24	mg/L	Easterwood,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ;6:552-556	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NOEC	Reproduction	Progeny counts/numbers	Not reported	Total		0.7-1.4	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		Almost or litter	NOEC	Reproduction	Fecundity	Not reported	Total		0.96-1.9	mg/L	Easterwood,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ;6:552-556	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		Almost or litter	NOEC	Reproduction	Fecundity	Not reported	Total		0.06-0.12	mg/L	Easterwood,J.A., and W.J. Birge	76252	The Relationship Between Chronic Values in Toxicity Tests with	ASTM Spec. Tech. Publ;6:552-556	1985	Drop. duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NOEC	Growth	Length	Not reported	Total		0.7-1.4	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NOEC	Reproduction	Fecundity	Not reported	Total		0.7-1.4	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	Unk	Hour(s)	Juvenile	Static	Unmeasured	Salt water	Lab	NR		96 hr(s)	NR-LETH	Mortality	Mortality	Not reported	Total		340	mg/L	Carr,S.	35510	Saltwater Toxicity Test Data for FY '87 Advisory Chemicals	Memo from S.Carr of Battelle Ocean Sciences to F.Goodsmark of USWTR with Attached Test Protocol and 14 Toxicity Test Reports;89 p.	1987	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR		24 hr(s)	NR-LETH	Mortality	Mortality	Not reported	Total		23.8-41	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR		24 hr(s)	NR-LETH	Mortality	Mortality	Not reported	Total		23.8-41	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Cyprinodon variegatus	Sheepshead minnow	Fish; Standard Test Species	Juv	Day(s)	Juvenile	Static	Unmeasured	Salt water	Lab	NR		4 Day(s)	LC50	Mortality	Mortality	Not reported	Total		340	mg/L	Carr,S.	35510	Saltwater Toxicity Test Data for FY '87 Advisory Chemicals	Memo from S.Carr of Battelle Ocean Sciences to F.Goodsmark of USWTR with Attached Test Protocol and 14 Toxicity Test Reports;89 p.	1987	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		24 hr(s)	NR-LETH	Mortality	Mortality	Not reported	Total		23.8-41	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		0.25 Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total		>24	mg/L	Tomasik,P., Ch.H. Magadza, S. Mhoto, and A. Chiuma	45814	The Metal-Metal Interactions in Ecological Systems, Part III. Daphnia	Water Air Soil Pollut;82:695-713	1995	Drop. endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		21 Day(s)	NR	Mortality	Mortality	Not reported	Total		0.208-0.44	mg/L	Dave,G.	11284	Effects of Humic Substances on Reproduction, Survival and Hemoglobin in Daphnia magna	Comp. Biochem. Physiol. C Comp. Pharmacol;78(2): 433-439	1984	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Reproduction	Abort	Egg	Total		1.3	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Mortality	Survival	Not reported	Total		14	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	n		2 Day(s)	NR	Intoxication	Immobile	Whole organism	Total		8.4-24	mg/L	Kalfkaq,B., G. S. Nilsson, and G. Oseo	35578	Daphnia magna and Lactuca sativa Retals Performed with Two Organisms	Arch. Environ. Contam. Toxicol;9(2): 183-203	2000	Drop. endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	n		2 Day(s)	NR	Intoxication	Immobile	Whole organism	Total		8.4-24	mg/L	Kalfkaq,B., G. S. Nilsson, and G. Oseo	35578	Daphnia magna and Lactuca sativa Retals Performed with Two Organisms	Arch. Environ. Contam. Toxicol;9(2): 183-203	2000	Drop. endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	1 day(s)	NR	Mortality	Mortality	Not reported	Total	NR	0	mg/L	Tomasik,P., Ch.H. Magadza, S. Mhoto, and A. Chiuma	45814	The Metal-Metal Interactions in Ecological Systems, Part III. Daphnia	Water Air Soil Pollut;82:695-713	1995	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Mortality	Survival	Not reported	Total		2.4-24	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Mortality	Survival	Not reported	Total	NR	14	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Reproduction	Abort	Egg	Total		0.5-0.9	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species		1 hour	June	Renewal	Measured	Fresh water	Lab	NR	NR	1 Day(s)	NR	Mortality	Survival	Not reported	Total	NR	0	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Static	Measured	Fresh water	Lab	NR		1 Day(s)	NR	Mortality	Survival	Not reported	Total	NR	0	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species		2 hour(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		2.4444 Day(s)	NR	Intoxication	Immobile	Not reported	Total		58.9	mg/L	Anderson,B.G.	20554	The Apparent Thresholds of Toxicity to Daphnia magna for Chlorides of Various Metals when Added to Lake Erie Water	Trans. Am. Fish. Soc.;78:96-113	1948	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Neonate	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Mortality	Survival	Not reported	Total		9.5-24	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	n		2 Day(s)	NR	Intoxication	Immobile	Whole organism	Total		8.4-24	mg/L	Kalfkaq,B., G. S. Nilsson, and G. Oseo	35578	Daphnia magna and Lactuca sativa Retals Performed with Two Organisms	Arch. Environ. Contam. Toxicol;9(2): 183-203	2000	Drop. endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Pogutia japonica	Japanese eel	Fish	NR	Not reported	June	estuarine/ocean	Unmeasured	Fresh water	Lab	NR		4 Day(s)	LC50	Mortality	Mortality	Not reported	Blackbird	>320	>320	mg/kg bdwt	Nakai,T., T. Kanno, R.R. Cruz, and K. Murioga	76	Pathogenicity of Vibrio anguillarum in Japanese eels and Ayu	Fish Pathol;22(4): 185-189	1988	Drop. exposure type
7705080	Iron chloride (FeCl3)	Not reported	NR	Phoxinus phoxinus	Minnow	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		4 Day(s)	NR	Mortality	Flow to death	Not reported	Total	NR	74	%	Carpenter,K.E.	4	The Lethal Action of Soluble Metallic Salts on Fishes	Br. J. Exp. Biol.;4:378-391	1927	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR		24 hr(s)	LC50	Mortality	Survival	Not reported	Total		0.23-0.47	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	n		2 Day(s)	NR	Intoxication	Immobile	Whole organism	Total		8.4-24	mg/L	Kalfkaq,B., G. S. Nilsson, and G. Oseo	35578	Daphnia magna and Lactuca sativa Retals Performed with Two Organisms	Arch. Environ. Contam. Toxicol;9(2): 183-203	2000	Drop. endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		4 Day(s)	LC50	Mortality	Mortality	Not reported	Total		117.16-141	mg/L	Furniss-Ala,M.	4	The Effects of Iron Compounds on the Virulence of Vibrio anguillarum in Salmonid Fish and Its	Bull. Arch. Hydrobiol.;9(1-2): 213-220	1979	Drop. duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Lagenis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		96 hr(s)	LC50	Mortality	Mortality	Not reported	Total		27.5-54	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post-fertilization	Egg	Renewal	Unmeasured	Fresh water	Lab	NR		21 Day(s)	LOEC	Mortality	Survival	Not reported	Total		0.32-0.64	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		0.0208 Day(s)	LC50	Mortality	Mortality	Not reported	Total		1000	ug/L	Peterson,H.G., W.S. Ewell, S.P. Sibada, and D.M. Rosen	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.;18(5): 570-577	1974	Drop. duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		1 Day(s)	LC50	Mortality	Mortality	Not reported	Total		1000	ug/L	Peterson,H.G., W.S. Ewell, S.P. Sibada, and D.M. Rosen	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.;18(5): 570-577	1974	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post-fertilization	Egg	Renewal	Unmeasured	Fresh water	Lab	NR		21 Day(s)	MATC	Mortality	Survival	Not reported	Total		0.32-0.64	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop.
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post-fertilization	Egg	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NOEC	Mortality	Survival	Not reported	Total		0.32-0.64	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. for MATC
7705080	Iron chloride (FeCl3)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		0.0208 Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total		1000	ug/L	Peterson,H.G., W.S. Ewell, S.P. Sibada, and D.M. Rosen	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.;18(5): 570-577	1974	Drop. duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR		21 Day(s)	MATC	Mortality	Survival	Not reported	Total		0.32-0.64	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Puriosum, Purum, Purissi an Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post-fertilization	Egg	Renewal	Measured	Fresh water	Lab	NR		21 Day(s)	NR	Growth	Length	Not reported	Total		1.05-2.1	mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45814	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:75	1985	Drop. endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Survival	Not reported	Total	NR	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Survival	Not reported	Total	NR	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post fertilization	Egg	Renewal	Measured	Fresh water	Lab	NR	21	Day(s)	NR	Growth	Length	Not reported	Total	NR	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post fertilization	Egg	Renewal	Measured	Fresh water	Lab	NR	21	Day(s)	NR	Growth	Wet weight (AQUIRE only)	Not reported	Total	1.61	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Salvelinus namaycush	Lake Trout, Siscowet	Fish; Standard Test Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	3.5	cpm/L	Harrison,S.E., J.F. Klaverkamp, and R.H. Hesslein	252	Fates of Metal Radiotracers Added to a Whole Lake: Accumulation in Fathead Minnow (Pimephales promelas) and Lake Trout (Salvelinus namaycush)	Water Air Soil Pollut.52(3-4): 277-293	1990	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	76	Hours post fertilization	Larva	Aquatic - not reported	Unmeasured	Fresh water	Lab	4	0.0833	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	NR	AI mg/L	Hernandez,P.P., V. Moreno, F.A. Olivari, and M.L. Allende	115762	Sub-Lethal Concentrations of Waterborne Copper are Toxic to Lateral Line Neuromasts in Zebrafish (Danio	Hear. Res.213(1-2): 1-10	2006	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	30	Day(s)	NR	Histology	Histological changes, general	Not reported	Total	NR	AI mg/L	Segner,H., and V. Storch	12486	Influence of Water-Borne Iron on the Liver of Poecilia reticulata (Peters 1859)	Z. Angew. Ichthyol.1(1): 39-47	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post fertilization	Egg	Renewal	Measured	Fresh water	Lab	NR	21	Day(s)	NR	Growth	Wet weight (AQUIRE only)	Not reported	Total	2.81	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	NR	Days post-spawn	Larva	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR	Mortality	Mortality	Not reported	Total	32	AI mg/L	Dave,G.	11199	The Influence of pH on the Toxicity of Aluminum, Cadmium, and Iron to Eggs and Larvae of the Zebrafish, Brachydanio	Ecotoxicol. Environ. Saf.10(2): 253-267	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	63	Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	3.5	cpm/L	Harrison,S.E., J.F. Klaverkamp, and R.H. Hesslein	252	Fates of Metal Radiotracers Added to a Whole Lake: Accumulation in Fathead Minnow (Pimephales promelas) and Lake Trout (Salvelinus namaycush)	Water Air Soil Pollut.52(3-4): 277-293	1990	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Hours post fertilization	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Mortality	Survival	Not reported	Total	NR	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	6	Day(s)	LC100	Mortality	Mortality	Not reported	Total	1.2	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	1.9167	Day(s)	LC100	Mortality	Mortality	Not reported	Total	2	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LC100	Mortality	Mortality	Not reported	Total	20	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3.1667	Day(s)	LC100	Mortality	Mortality	Not reported	Total	1.5	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.1771	Day(s)	LC100	Mortality	Mortality	Not reported	Total	15	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.9167	Day(s)	LC100	Mortality	Mortality	Not reported	Total	3	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.375	Day(s)	LC100	Mortality	Mortality	Not reported	Total	5	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	10	Day(s)	LC100	Mortality	Mortality	Not reported	Total	1	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.0658	Day(s)	LC100	Mortality	Mortality	Not reported	Total	60	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.0825	Day(s)	LC100	Mortality	Mortality	Not reported	Total	40	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.25	Day(s)	LC100	Mortality	Mortality	Not reported	Total	7	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gasterosteus aculeatus	Threespine Stickleback	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	0.05	Day(s)	LC100	Mortality	Mortality	Not reported	Total	100	AI mg/L	Jones,J.R.E.	2851	The Relation Between the Electrolytic Solution Pressures of the Metals and Their Toxicity to the Stickleback (Gasterosteus aculeatus L.)	J. Exp. Biol.16(4): 425-437	1939	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Flow-through	Measured	Fresh water	Lab	NR	21	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	3400	AI mg/L	Goettl,J.P.J., and P.H. Davies	5484	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-12, DNR, Denver, CO:68-	1977	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Flow-through	Measured	Fresh water	Lab	NR	42	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	2200	AI mg/L	Goettl,J.P.J., and P.H. Davies	5484	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-12, DNR, Denver, CO:68-	1977	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	NR	152.2	Day(s)	NR	Mortality	Mortality	Not reported	Total	3400	AI mg/L	Goettl,J.P.J., and P.H. Davies	5484	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-12, DNR, Denver, CO:68-	1977	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	74	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	74	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	74	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	NR	Mortality	Mortality	Not reported	Total	10	AI mg/L	Ellis,M.M.	916	Detection and Measurement of Stream Pollution	In: Bull.Bur.Fish.No.22, U.S.Dep.Commerce, Washington, DC:365-437	1937	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Total	100	AI mg/L	Ellis,M.M.	916	Detection and Measurement of Stream Pollution	In: Bull.Bur.Fish.No.22, U.S.Dep.Commerce, Washington, DC:365-437	1937	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	NR	Mortality	Mortality	Not reported	Total	10	AI mg/L	Ellis,M.M.	916	Detection and Measurement of Stream Pollution	In: Bull.Bur.Fish.No.22, U.S.Dep.Commerce, Washington, DC:365-437	1937	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Spirodela polyrrhiza	Large Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Frond	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Total	NR	AI mg/L	Sinha,S., U.N. Rai, and P. Chandra	13675	Accumulation and Toxicity of Iron and Manganese in Spirodela polyrrhiza (L.) Schleiden	Bull. Environ. Contam. Toxicol.53(4): 610-617	1994	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Spirodela polyrrhiza	Large Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Frond	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	AI mg/L	Sinha,S., U.N. Rai, and P. Chandra	13675	Accumulation and Toxicity of Iron and Manganese in Spirodela polyrrhiza (L.) Schleiden	Bull. Environ. Contam. Toxicol.53(4): 610-617	1994	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Spirodela polyrrhiza	Large Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Frond	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	14	Day(s)	NR	Population	Biomass	Not reported	Total	16.2206	AI mg/L	Sinha,S., U.N. Rai, and P. Chandra	13675	Accumulation and Toxicity of Iron and Manganese in Spirodela polyrrhiza (L.) Schleiden	Bull. Environ. Contam. Toxicol.53(4): 610-617	1994	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Spirodela polyrrhiza	Large Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Frond	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	NR	AI mg/L	Sinha,S., U.N. Rai, and P. Chandra	13675	Accumulation and Toxicity of Iron and Manganese in Spirodela polyrrhiza (L.) Schleiden	Bull. Environ. Contam. Toxicol.53(4): 610-617	1994	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Spirodela polyrrhiza	Large Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Frond	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	3	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Total	1.62206	AI mg/L	Sinha,S., U.N. Rai, and P. Chandra	13675	Accumulation and Toxicity of Iron and Manganese in Spirodela polyrrhiza (L.) Schleiden	Bull. Environ. Contam. Toxicol.53(4): 610-617	1994	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Spirodela polyrrhiza	Large Duckweed	Flowers, Trees, Shrubs, Ferns	NR	Frond	Exponential growth phase (log)	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	14	Day(s)	NR	Population	Biomass	Not reported	Total	32.4412	AI mg/L	Sinha,S., U.N. Rai, and P. Chandra	13675	Accumulation and Toxicity of Iron and Manganese in Spirodela polyrrhiza (L.) Schleiden	Bull. Environ. Contam. Toxicol.53(4): 610-617	1994	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	4	7	Day(s)	BCF	Accumulation	Residue	Not reported	Total	19.5	AI mg/L	Boniardi,N., R. Rota, and G. Nano	73886	Effect of Dissolved Metals on the Organic Load Removal Efficiency of	Water Res.33(2): 530-538	1999	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	4	7	Day(s)	BCF	Accumulation	Residue	Not reported	Total	2.9	AI mg/L	Boniardi,N., R. Rota, and G. Nano	73886	Effect of Dissolved Metals on the Organic Load Removal Efficiency of	Water Res.33(2): 530-538	1999	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	4	7	Day(s)	BCF	Accumulation	Residue	Not reported	Total	2	AI mg/L	Boniardi,N., R. Rota, and G. Nano	73886	Effect of Dissolved Metals on the Organic Load Removal Efficiency of	Water Res.33(2): 530-538	1999	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	4	Frond	Not reported	Static	Measured	Fresh water	Lab	NR	3	Day(s)	NR	Growth	Growth, general	Not reported	Total	0.0001	AI mg/L	Oota,Y.	2716	Disappearance of Rhythmicity in Growth Response to Dark- and Light-Breaks in Lemna gibba G3 due to Iron Deficiency	Plant Cell Physiol.12:255-266	1971	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	4	7	Day(s)	NR	Population	Weight	Not reported	Total	NR	AI mg/L	Boniardi,N., R. Rota, and G. Nano	73886	Effect of Dissolved Metals on the Organic Load Removal Efficiency of	Water Res.33(2): 530-538	1999	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	4	Frond	Not reported	Static	Measured	Fresh water	Lab	NR	6	Day(s)	NR	Growth	Growth, general	Not reported	Total	0.001	AI mg/L	Oota,Y.	2716	Disappearance of Rhythmicity in Growth Response to Dark- and Light-Breaks in Lemna gibba G3 due to Iron Deficiency	Plant Cell Physiol.12:255-266	1971	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	4	Frond	Not reported	Static	Measured	Fresh water	Lab	NR	3	Day(s)	NR	Growth	Growth, general	Not reported	Total	0.01	AI mg/L	Oota,Y.	2716	Disappearance of Rhythmicity in Growth Response to Dark- and Light-Breaks in Lemna gibba G3 due to Iron Deficiency	Plant Cell Physiol.12:255-266	1971	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCFD	Accumulation	Residue	Whole organism	Total	5.6	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCFD	Accumulation	Residue	Whole organism	Total	3.2	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCFD	Accumulation	Residue	Whole organism	Total	1	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.62	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	3.23	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1.65	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Chironomus javanus	Midge	Insects/Spiders	4	Instar	Larva	Renewal	Measured	Fresh water	Lab	6	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.83	AI mg/L	Shuhaimi-Othman,M., N. Yakub, N.S. Umirah, and A. Abas	163320	Toxicity of Eight Metals to Malaysian Freshwater Midge Larvae Chironomus javanus (Diptera, Chironomidae)	Toxicol. Ind. Health27(10): 879-886	2011	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Culex quinquefasciatus	Southern House Mosquito	Insects/Spiders	3	Instar	Larva	Aquatic - not reported	Unmeasured	Fresh water	Lab	7	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	500	AI mg/L	Vijayan,V., and K. Balaraman	117150	Effect of Inorganic Salts, Soaps and Detergents on Dissolution and Larvicidal Activity of Alginate Formulation of Bacillus sphaericus	Southeast Asian J. Trop. Med. Public Health26(1): 183-187	1995	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tropisternus lateralis ssp. nimbatus	Beetle	Insects/Spiders	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	14	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	162.206	AI mg/L	Wooldridge,C.R., and D.P. Wooldridge	2868	Internal Damage in an Aquatic Beetle Exposed to Sublethal Concentrations of Inorganic Ions	Ann. Entomol. Soc. Am.62(4): 921-933	1969	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tropisternus lateralis ssp. nimbatus	Beetle	Insects/Spiders	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	14	Day(s)	NR	Injury	Damage	Multiple sites	Total	162.206	AI mg/L	Wooldridge,C.R., and D.P. Wooldridge	2868	Internal Damage in an Aquatic Beetle Exposed to Sublethal Concentrations of Inorganic Ions	Ann. Entomol. Soc. Am.62(4): 921-933	1969	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Culex quinquefasciatus	Southern House Mosquito	Insects/Spiders	3	Instar	Larva	Aquatic - not reported	Unmeasured	Fresh water	Lab	7	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Vijayan,V., and K. Balaraman	117150	Effect of Inorganic Salts, Soaps and Detergents on Dissolution and Larvicidal Activity of Alginate Formulation of Bacillus sphaericus	Southeast Asian J. Trop. Med. Public Health26(1): 183-187	1995	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Colpidium campylum	Ciliate	Invertebrates	<=48	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	IC50	Population	Population growth rate	Not reported	Total	31	AI mg/L	Sudo,R., and S. Aiba	63219	Effect of Some Metals on the Specific Growth Rate of Ciliata Isolated from Activated Sludge	In: 1st Proc.Int.Congr.Int.Assoc.Microbiol.Soc.2: 512-521	1975	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Vorticella microstoma	Ciliate	Invertebrates	<=48	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	IC50	Population	Population growth rate	Not reported	Total	4.7	AI mg/L	Sudo,R., and S. Aiba	63219	Effect of Some Metals on the Specific Growth Rate of Ciliata Isolated from Activated Sludge	In: 1st Proc.Int.Congr.Int.Assoc.Microbiol.Soc.2: 512-521	1975	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Opercularia sp.	Ciliate	Invertebrates	<=48	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	6	2	Day(s)	IC50	Population	Population growth rate	Not reported	Total	11	AI mg/L	Sudo,R., and S. Aiba	63219	Effect of Some Metals on the Specific Growth Rate of Ciliata Isolated from Activated Sludge	In: 1st Proc.Int.Congr.Int.Assoc.Microbiol.Soc.2: 512-521	1975	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	>=90	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	6	0.375	Day(s)	IC50	Population	Population growth rate	Not reported	Total	>50	AI mg/L	Bogaerts,P., J. Bohatier, and F. Bonnemoy	62033	Use of the Ciliated Protozoan Tetrahymena pyriformis for the Assessment of Toxicity and Quantitative Structure-Activity Relationships of Xenobiotics: Comparison with the Microtox Test	Ecotoxicol. Environ. Saf.49(3): 293-301	2001	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	>=99	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.375	Day(s)	IC50	Population	Population growth rate	Not reported	Total	105	AI mg/L	Sauvant,M.P., D. Pepin, J. Bohatier, and C.A. Groliere	16142	Microplate Technique for Screening and Assessing Cytotoxicity of Xenobiotics with Tetrahymena pyriformis	Ecotoxicol. Environ. Saf.32(2): 159-165	1995	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	33.47	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	5.27	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	58.17	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	8.86	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	11.76	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Planorbarius sp.	Ramshorn Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Total	73.17	AI mg/L	Furmanska,M.	474	Studies of the Effect of Copper, Zinc, and Iron on the Biotic Components of Aquatic Ecosystems	Pol. Arch. Hydrobiol.26(1-2): 213-220	1979	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	13.29	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Physa gyrina	Pouch Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	12.09	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	8.49	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	42.12	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	21.78	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	3.3217	Day(s)	LT50	Mortality	Mortality	Not reported	Total	11.76	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	4.2525	Day(s)	LT50	Mortality	Mortality	Not reported	Total	8.86	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	0.835	Day(s)	LT50	Mortality	Mortality	Not reported	Total	58.17	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	5.6238	Day(s)	LT50	Mortality	Mortality	Not reported	Total	5.27	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Melanoides tuberculata	Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	6	1.4463	Day(s)	LT50	Mortality	Mortality	Not reported	Total	33.47	AI mg/L	Shuhaimi-Othman,M., R. Nur-Amalina, and Y. Nadzifah	166664	Toxicity of Metals to a Freshwater Snail, Melanoides tuberculata	Sci. World J.:10 p.	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	220	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Physa gyrina	Pouch Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	21.32	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Bulinus truncatus	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	220	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7705080	Iron chloride (FeCl3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Physa gyrina	Pouch Snail	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Survival	Not reported	Total	NR	AI mg/L	Birge,W.J., J.A. Black, A.G. Westerman, T.M. Short, S.B. Taylor, D.M. Bruser, and E.D. Wallingford	45826	Recommendations on Numerical Values for Regulating Iron and Chloride Concentrations for the Purpose of Protecting Warmwater Species of Aquatic Life in the Commonwealth of	University of Kentucky, Lexington, KY:73 p.	1985	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	200	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Biomphalaria glabrata	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Behavior	Observed stress	Not reported	Total	5	AI mg/L	Harry,H.W., and D.V. Aldrich	2853	The Distress Syndrome in Taphius glabratus (Say) as a Reaction to Toxic Concentrations of Inorganic Ions	Malacologia1(2): 283-289	1963	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Bulinus truncatus	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	200	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Biomphalaria glabrata	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Behavior	Observed stress	Not reported	Total	10	AI mg/L	Harry,H.W., and D.V. Aldrich	2853	The Distress Syndrome in Taphius glabratus (Say) as a Reaction to Toxic Concentrations of Inorganic Ions	Malacologia1(2): 283-289	1963	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.00953	AI mg/L	Pentreath,R.J.	2176	The Accumulation From Water of 65Zn, 54Mn, 58Co, and 59Fe by the Mussel, Mytilus edulis	J. Mar. Biol. Assoc. U.K.53:127-143	1973	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.00953	AI mg/L	Pentreath,R.J.	2176	The Accumulation From Water of 65Zn, 54Mn, 58Co, and 59Fe by the Mussel, Mytilus edulis	J. Mar. Biol. Assoc. U.K.53:127-143	1973	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.00953	AI mg/L	Pentreath,R.J.	2176	The Accumulation From Water of 65Zn, 54Mn, 58Co, and 59Fe by the Mussel, Mytilus edulis	J. Mar. Biol. Assoc. U.K.53:127-143	1973	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.00953	AI mg/L	Pentreath,R.J.	2176	The Accumulation From Water of 65Zn, 54Mn, 58Co, and 59Fe by the Mussel, Mytilus edulis	J. Mar. Biol. Assoc. U.K.53:127-143	1973	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.00953	AI mg/L	Pentreath,R.J.	2176	The Accumulation From Water of 65Zn, 54Mn, 58Co, and 59Fe by the Mussel, Mytilus edulis	J. Mar. Biol. Assoc. U.K.53:127-143	1973	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	42	Day(s)	BCF	Accumulation	Residue	Not reported	Total	0.00953	AI mg/L	Pentreath,R.J.	2176	The Accumulation From Water of 65Zn, 54Mn, 58Co, and 59Fe by the Mussel, Mytilus edulis	J. Mar. Biol. Assoc. U.K.53:127-143	1973	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.123	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.337	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.176	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Ophryotrocha diadema	Polychaete	Worms	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Parker,J.G.	10890	The Effects of Selected Chemicals and Water Quality on the Marine Polychaete Ophryotrocha diadema	Water Res.18(7): 865-868	1984	Drop: saltwater
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.239	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Bursaphelenchus xylophilus	Pine Wilt Nematode	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LD50	Mortality	Mortality	Not reported	Total	58.39416	AI mg/L	Kobamoto,N., and Y. Izumi	51054	The Nematicidal Effect of Metal Ions on the Pine Wood Nematode, Bursaphelenchus xylophilus	J. Pestic. Sci.9(3): 527-529	1984	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.25	Day(s)	LT50	Mortality	Mortality	Not reported	Total	0.863	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.1667	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1.071	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	1.625	Day(s)	LT50	Mortality	Mortality	Not reported	Total	0.319	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	0.625	Day(s)	LT50	Mortality	Mortality	Not reported	Total	0.553	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Nais elinguis	Oligochaete Worm	Worms	NR	Not reported	Adult	Renewal	Measured	Fresh water	Lab	6	3.2917	Day(s)	LT50	Mortality	Mortality	Not reported	Total	0.137	AI mg/L	Shuhaimi-Othman,M., Y. Nadzifah, N.S. Umirah, and A.K. Ahmad	163848	Toxicity of Metals to an Aquatic Worm, Nais elinguis (Oligochaeta, Naididae)	Res. J. Environ. Toxicol.6(4): 122-132	2012	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Heterorhabditis bacteriophora	Nematode	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Mortality	Mortality	Not reported	Total	400	AI mg/L	Jaworska,M., A. Gorczyca, J. Sepiol, and P. Tomasik	40155	Effect of Metal Ions on the Entomopathogenic Nematode Heterorhabditis bacteriophora Poinar (Nematode: Heterohabditidae) Under Laboratory Conditions	Water Air Soil Pollut.93:157-166	1997	Drop: duration
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Bursaphelenchus xylophilus	Pine Wilt Nematode	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	162.206	AI mg/L	Kobamoto,N., and Y. Izumi	51054	The Nematicidal Effect of Metal Ions on the Pine Wood Nematode, Bursaphelenchus xylophilus	J. Pestic. Sci.9(3): 527-529	1984	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Heterorhabditis bacteriophora	Nematode	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Behavior	Posture	Not reported	Total	NR	AI mg/L	Jaworska,M., A. Gorczyca, J. Sepiol, and P. Tomasik	40155	Effect of Metal Ions on the Entomopathogenic Nematode Heterorhabditis bacteriophora Poinar (Nematode: Heterohabditidae) Under Laboratory Conditions	Water Air Soil Pollut.93:157-166	1997	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Heterorhabditis bacteriophora	Nematode	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Behavior	Posture	Not reported	Total	NR	AI mg/L	Jaworska,M., A. Gorczyca, J. Sepiol, and P. Tomasik	40155	Effect of Metal Ions on the Entomopathogenic Nematode Heterorhabditis bacteriophora Poinar (Nematode: Heterohabditidae) Under Laboratory Conditions	Water Air Soil Pollut.93:157-166	1997	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Heterorhabditis bacteriophora	Nematode	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Behavior	Posture	Not reported	Total	NR	AI mg/L	Jaworska,M., A. Gorczyca, J. Sepiol, and P. Tomasik	40155	Effect of Metal Ions on the Entomopathogenic Nematode Heterorhabditis bacteriophora Poinar (Nematode: Heterohabditidae) Under Laboratory Conditions	Water Air Soil Pollut.93:157-166	1997	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Polycelis nigra	Planarian	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR	Mortality	Mortality	Not reported	Total	>20	AI mg/L	Jones,J.R.E.	10012	A Further Study of the Relation Between Toxicity and Solution Pressure, with Polycelis nigra as Test Animal	J. Exp. Biol.17:408-415	1940	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Myxicola infundibulum	Polychaete Worm	Worms	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	<1	Day(s)	NR	Avoidance	Chemical avoidance	Not reported	Total	52.71695	AI mg/L	Ward,J.A.	2867	Chemoreception of Heavy Metals by the Polychaetous Annelid Myxicola infundibulum (Sabellidae)	Comp. Biochem. Physiol. C Comp. Pharmacol.58(2): 103-106	1977	Drop: endpoint
7705080	Iron chloride (FeCl3)	Analytical grade	NR	Heterorhabditis bacteriophora	Nematode	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Jaworska,M., A. Gorczyca, J. Sepiol, and P. Tomasik	40155	Effect of Metal Ions on the Entomopathogenic Nematode Heterorhabditis bacteriophora Poinar (Nematode: Heterohabditidae) Under Laboratory Conditions	Water Air Soil Pollut.93:157-166	1997	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	EC50	Mortality	Mortality	Not reported	Total	95.35	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	EC50	Mortality	Mortality	Not reported	Total	86.09	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	101.84	AI mg/L	Khangarot,B.S.	2918	Toxicity of Metals to a Freshwater Tubificid Worm, Tubifex tubifex (Muller)	Bull. Environ. Contam. Toxicol.46:906-912	1991	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Mortality	Mortality	Not reported	Total	109.91	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Mortality	Mortality	Not reported	Total	174.5	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Mortality	Mortality	Not reported	Total	134.05	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Mortality	Mortality	Not reported	Total	196.05	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	EC50	Mortality	Mortality	Not reported	Total	125.42	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	116.05	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	157.82	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	EC50	Mortality	Mortality	Not reported	Total	71.26	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Mortality	Mortality	Not reported	Total	83.91	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	144.78	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	101.84	AI mg/L	Khangarot,B.S.	2918	Toxicity of Metals to a Freshwater Tubificid Worm, Tubifex tubifex (Muller)	Bull. Environ. Contam. Toxicol.46:906-912	1991	Keep
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Mortality	Mortality	Not reported	Total	125.42	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	112.98	AI mg/L	Khangarot,B.S.	2918	Toxicity of Metals to a Freshwater Tubificid Worm, Tubifex tubifex (Muller)	Bull. Environ. Contam. Toxicol.46:906-912	1991	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	1	Day(s)	EC50	Mortality	Mortality	Not reported	Total	180	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	144.47	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	3	Day(s)	EC50	Mortality	Mortality	Not reported	Total	110.02	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: duration
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	320	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	180	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	56	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	56	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7705080	Iron chloride (FeCl3)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	7	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	56	AI mg/L	Rathore,R.S., and B.S. Khangarot	69566	Effects of Temperature on the Sensitivity of Sludge Worm Tubifex tubifex Muller to Selected Heavy Metals	Ecotoxicol. Environ. Saf.53(1): 27-36	2002	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analytical grade	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	5	10	Day(s)	LOEC	Population	Abundance	Not reported	Total	0.01	AI mg/L	Fargasova,A.	72990	The Green Alga Scenedesmus quadricauda - a Subject for the Study of Inhibitory Effects of Cd, Cu, Zn, Pb and	Biologia (Bratisl.)54(3): 303-308	1999	Drop: related to Cd toxicity and mixtures
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Synechococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	2	Day(s)	LOEC	Biochemistry	Fluorescence	Not reported	Total	0.000127754	AI mg/L	Saito,M.A., G. Rocap, and J.W. Moffett	95707	Production of Cobalt Binding Ligands in a Synechococcus Feature at the Costa Rica Upwelling Dome	Limnol. Oceanogr.50(1): 279-290	2005	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analytical grade	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	5	10	Day(s)	LOEC	Biochemistry	Chlorophyll B concentration	Not reported	Total	0.01	AI mg/L	Fargasova,A.	72990	The Green Alga Scenedesmus quadricauda - a Subject for the Study of Inhibitory Effects of Cd, Cu, Zn, Pb and	Biologia (Bratisl.)54(3): 303-308	1999	Drop: related to Cd toxicity and mixtures
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analytical grade	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	5	10	Day(s)	LOEC	Biochemistry	Chlorophyll	Not reported	Total	0.01	AI mg/L	Fargasova,A.	72990	The Green Alga Scenedesmus quadricauda - a Subject for the Study of Inhibitory Effects of Cd, Cu, Zn, Pb and	Biologia (Bratisl.)54(3): 303-308	1999	Drop: related to Cd toxicity and mixtures
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Synechococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	2	Day(s)	LOEC	Biochemistry	Fluorescence	Not reported	Total	0.000127754	AI mg/L	Saito,M.A., G. Rocap, and J.W. Moffett	95707	Production of Cobalt Binding Ligands in a Synechococcus Feature at the Costa Rica Upwelling Dome	Limnol. Oceanogr.50(1): 279-290	2005	Drop: saltwater

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Synechococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	2	Day(s)	NOEC	Population	Abundance	Not reported	Total	0.000127754	AI mg/L	Saito,M.A., G. Rocap, and J.W. Moffett	95707	Production of Cobalt Binding Ligands in a Synechococcus Feature at the Costa Rica Upwelling Dome	Limnol. Oceanogr.50(1): 279-290	2005	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Synechococcus sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	2	2	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Total	0.000127754	AI mg/L	Saito,M.A., G. Rocap, and J.W. Moffett	95707	Production of Cobalt Binding Ligands in a Synechococcus Feature at the Costa Rica Upwelling Dome	Limnol. Oceanogr.50(1): 279-290	2005	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Peridinium gatunense	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population changes, general	Not reported	Total	0.00307841	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Melosira granulata	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population growth rate	Not reported	Total	0.00307841	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analytical grade	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	5	10	Day(s)	NR	Biochemistry	Chlorophyll A concentration	Not reported	Total	NR	AI mg/L	Fargasova,A.	72990	The Green Alga Scenedesmus quadricauda - a Subject for the Study of Inhibitory Effects of Cd, Cu, Zn, Pb and	Biologia (Bratisl.)54(3): 303-308	1999	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Microcystis sp.	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population changes, general	Not reported	Total	0.00307841	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Peridinium gatunense	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population changes, general	Not reported	Total	0.00307841	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Bacillariophyceae	Diatom Class	Algae	NR	Not reported	Not reported	Lotic	Measured	Fresh water	Field natural	NR	NR	Day(s)	NR	Population	Abundance	Not reported	Total	NR	AI mg/L	Wellnitz,T.A., and S.P. Sheldon	16503	The Effects of Iron and Manganese on Diatom Colonization in a Vermont	Freshw. Biol.34(3): 465-470	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	30	Day(s)	NR	Population	Population changes, general	Not reported	Total	520	AI mg/L	Becker,A.J.Jr., and E.C.,Jr. Keller	8598	The Effects of Iron and Sulfate Compounds on the Growth of Chlorella	Proc. W. Va. Acad. Sci.45(2): 127-135	1973	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Euphlyctis hexadactylus	True Frog	Amphibians	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	19.7	AI mg/L	Khangarot,B.S., A. Sehgal, and M.K. Bhasin	11438	"Man and Biosphere" - Studies on the Sikkim Himalayas. Part 5: Acute Toxicity of Selected Heavy Metals on the Tadpoles of Rana hexadactyla	Acta Hydrochim. Hydrobiol.13(2): 259-263	1985	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Euphlyctis hexadactylus	True Frog	Amphibians	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	24.91	AI mg/L	Khangarot,B.S., A. Sehgal, and M.K. Bhasin	11438	"Man and Biosphere" - Studies on the Sikkim Himalayas. Part 5: Acute Toxicity of Selected Heavy Metals on the Tadpoles of Rana hexadactyla	Acta Hydrochim. Hydrobiol.13(2): 259-263	1985	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Euphlyctis hexadactylus	True Frog	Amphibians	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	22.39	AI mg/L	Khangarot,B.S., A. Sehgal, and M.K. Bhasin	11438	"Man and Biosphere" - Studies on the Sikkim Himalayas. Part 5: Acute Toxicity of Selected Heavy Metals on the Tadpoles of Rana hexadactyla	Acta Hydrochim. Hydrobiol.13(2): 259-263	1985	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Euphlyctis hexadactylus	True Frog	Amphibians	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	17.62	AI mg/L	Khangarot,B.S., A. Sehgal, and M.K. Bhasin	11438	"Man and Biosphere" - Studies on the Sikkim Himalayas. Part 5: Acute Toxicity of Selected Heavy Metals on the Tadpoles of Rana hexadactyla	Acta Hydrochim. Hydrobiol.13(2): 259-263	1985	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Anaxyrus boreas	Western Toad	Amphibians	NR	Not reported	Larva	Renewal	Unmeasured	Fresh water	Lab	NR	20	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	30	AI mg/L	Porter,K.R., and D.E. Hakanson	18483	Toxicity of Mine Drainage to Embryonic and Larval Boreal Toads (Bufonidae: Bufo boreas)	Copeia2:327-331	1976	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Anaxyrus boreas	Western Toad	Amphibians	NR	Not reported	Larva	Renewal	Unmeasured	Fresh water	Lab	NR	>39	Day(s)	NR	Development	Developmental changes, general	Not reported	Total	NR	AI mg/L	Porter,K.R., and D.E. Hakanson	18483	Toxicity of Mine Drainage to Embryonic and Larval Boreal Toads (Bufonidae: Bufo boreas)	Copeia2:327-331	1976	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Crangonyx pseudogracilis	Amphipod	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	95	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Keep
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Crangonyx pseudogracilis	Amphipod	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	143	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2.2917	Day(s)	LC50	Mortality	Mortality	Not reported	Total	430.5	AI mg/L	Maltby,L., J.O.H. Snart, and P. Calow	12724	Acute Toxicity Tests on the Freshwater Isopod, Asellus aquaticus Using FeSO4.7H2O, with Special Reference to Techniques and the Possibility of Intraspecific Variation	Environ. Pollut.43(4): 271-279	1987	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Cyclops viridis	Cyclopoid Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	33.2	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration and endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Cyclops viridis	Cyclopoid Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	36	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration and endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Instar	Larva	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	28.629213	AI mg/L	Calleja,M.C., and G. Persoone	16037	Cyst-Based Toxicity Tests. IV. The Potential of Ecotoxicological Tests for the Prediction of Acute Toxicity in Man as Evaluated on the First Ten Chemicals of the MEIC Programme	Alt. Lab. Anim. (ATLA)20:396-405	1992	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Cyclops viridis	Cyclopoid Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	35.2	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration and endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Streptocephalus proboscideus	Fairy Shrimp	Crustaceans	NR	Instar	Larva	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	218.56711	AI mg/L	Calleja,M.C., and G. Persoone	16037	Cyst-Based Toxicity Tests. IV. The Potential of Ecotoxicological Tests for the Prediction of Acute Toxicity in Man as Evaluated on the First Ten Chemicals of the MEIC Programme	Alt. Lab. Anim. (ATLA)20:396-405	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Caridina nilotica	Shrimp	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	8.45	AI mg/L	Mowbray,D.L.	17356	Assessment of the Biological Impact of OK Tedi Mine Tailings, Cyanide and Heavy Metals	In: J.C.Pernetta (Ed.), Reg.Seas Rep.Stud.No.99, Potential Impacts of Mining on the Fly River, UNEP, Athens, Greece:45-74	1988	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2.2917	Day(s)	LC50	Mortality	Mortality	Not reported	Total	419.2	AI mg/L	Maltby,L., J.O.H. Snart, and P. Calow	12724	Acute Toxicity Tests on the Freshwater Isopod, Asellus aquaticus Using FeSO4.7H2O, with Special Reference to Techniques and the Possibility of Intraspecific Variation	Environ. Pollut.43(4): 271-279	1987	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Streptocephalus proboscideus	Fairy Shrimp	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	218.56711	AI mg/L	Calleja,M.C., G. Persoone, and P. Geladi	13669	Comparative Acute Toxicity of the First 50 Multicentre Evaluation of In Vitro Cytotoxicity Chemicals to Aquatic Non-vertebrates	Arch. Environ. Contam. Toxicol.26(1): 69-78	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	28.629213	AI mg/L	Calleja,M.C., G. Persoone, and P. Geladi	13669	Comparative Acute Toxicity of the First 50 Multicentre Evaluation of In Vitro Cytotoxicity Chemicals to Aquatic Non-vertebrates	Arch. Environ. Contam. Toxicol.26(1): 69-78	1994	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analar grade	NR	Gammarus pulex	Scud	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	6	Day(s)	LOEC	Feeding behavior	Feeding behavior, general	Not reported	Total	2	AI mg/L	Maltby,L., and M. Crane	17413	Responses of Gammarus pulex (Amphipoda, Crustacea) to Metalliferous Effluents: Identification of Toxic Components and the Importance of Interpopulation Variation	Environ. Pollut.84(1): 45-52	1994	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	16	Day(s)	Adult	Renewal	Unmeasured	Salt water	Lab	NR	12.5	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1	AI mg/L	Brown,B., and M. Ahsanullah	2467	Effect of Heavy Metals on Mortality and Growth	Mar. Pollut. Bull.2:182-187	1971	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Gammarus pulex	Scud	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	6	Day(s)	NOEC	Feeding behavior	Feeding behavior, general	Not reported	Total	1	AI mg/L	Maltby,L., and M. Crane	17413	Responses of Gammarus pulex (Amphipoda, Crustacea) to Metalliferous Effluents: Identification of Toxic Components and the Importance of Interpopulation Variation	Environ. Pollut.84(1): 45-52	1994	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Saduria entomon	Aquatic Sowbug	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	14	Day(s)	NR	Feeding behavior	Food consumption	Not reported	Total	NR	AI mg/L	Pynnonen,K.	14481	Heavy Metal-Induced Changes in the Feeding and Burrowing Behaviour of a Baltic Isopod, Saduria (Mesidotea) entomon L.	Mar. Environ. Res.41(2): 145-156	1996	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analar grade	NR	Gammarus pulex	Scud	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Maltby,L., and M. Crane	17413	Responses of Gammarus pulex (Amphipoda, Crustacea) to Metalliferous Effluents: Identification of Toxic Components and the Importance of Interpopulation Variation	Environ. Pollut.84(1): 45-52	1994	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analar grade	NR	Gammarus pulex	Scud	Crustaceans	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	>=2	AI mg/L	Maltby,L., and M. Crane	17413	Responses of Gammarus pulex (Amphipoda, Crustacea) to Metalliferous Effluents: Identification of Toxic Components and the Importance of Interpopulation Variation	Environ. Pollut.84(1): 45-52	1994	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Analytical grade	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Not reported	Cyst	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Mortality	Hatch	Not reported	Total	NR	AI mg/L	Liu,P.C., and J.C. Chen	4256	Effects of Heavy Metals on the Hatching Rates of Brine Shrimp Artemia salina	J. World Aquac. Soc.18(2): 78-83	1987	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	101.58753	AI mg/L	Lilius,H., T. Hastbacka, and B. Isomaa	16385	A Comparison of the Toxicity of 30 Reference Chemicals to Daphnia magna and Daphnia pulex	Environ. Toxicol. Chem.14(12): 2085-2088	1995	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	14.468527	AI mg/L	Lilius,H., B. Isomaa, and T. Holmstrom	16756	A Comparison of the Toxicity of 50 Reference Chemicals to Freshly Isolated Rainbow Trout Hepatocytes and Daphnia magna	Aquat. Toxicol.30:47-60	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	2	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	7.2	AI mg/L	Khangarot,B.S., and P.K. Ray	6631	Investigation of Correlation Between Physicochemical Properties of Metals and Their Toxicity to the Water Flea Daphnia magna Straus	Ecotoxicol. Environ. Saf.18(2): 109-120	1989	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	10	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	24.5	AI mg/L	Khangarot,B.S., and P.K. Ray	6631	Investigation of Correlation Between Physicochemical Properties of Metals and Their Toxicity to the Water Flea Daphnia magna Straus	Ecotoxicol. Environ. Saf.18(2): 109-120	1989	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	47.407514	AI mg/L	Calleja,M.C., G. Persoone, and P. Geladi	13669	Comparative Acute Toxicity of the First 50 Multicentre Evaluation of In Vitro Cytotoxicity Chemicals to Aquatic Non-vertebrates	Arch. Environ. Contam. Toxicol.26(1): 69-78	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<=24	Hour(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	4	5	Day(s)	LOEC	Growth	Biomass	Not reported	Total	30	AI mg/L	Piasecki,W.G., and D. Zacharzewski	158859	Influence of Coagulants Used for Lake Restoration on Daphnia magna Straus (Crustacea, Cladocera)	Baltic Coast. Zone14:49-56	2010	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	1	Week(s)	Adult	Lotic	Unmeasured	Fresh water	Field artificial	3	<14	Day(s)	LOEL	Accumulation	Residue	Not reported	Total	3000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182-192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<=8	Hour(s)	Young	Static	Unmeasured	Fresh water	Lab	NR	0.6667	Day(s)	NOEC	Intoxication	Immobile	Not reported	Total	152	AI mg/L	Anderson,B.G.	2171	The Toxicity Thresholds of Various Substances Found in Industrial Wastes as Determined by the Use of Daphnia	Sewage Works J.16(6): 1156-1165	1944	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<=24	Hour(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	4	5	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Piasecki,W.G., and D. Zacharzewski	158859	Influence of Coagulants Used for Lake Restoration on Daphnia magna Straus (Crustacea, Cladocera)	Baltic Coast. Zone14:49-56	2010	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Pelsartia humeralis	Sea Trumpeter	Fish	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	16.7	AI mg/L	Francesconi,K.A., and J.S. Edmonds	18523	Short-Term Effects on Sea Trumpeter (Therapon humeralis) of Oxidizing Iron (II) in Seawater	Bull. Environ. Contam. Toxicol.54(1): 15-21	1995	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	83.2	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio ssp. communis	Carp	Fish	NR	Not reported	Egg	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Until hatch	LC50	Mortality	Hatch	Not reported	Total	202.99	AI mg/L	Kapur,K., and N.A. Yadav	45296	The Effects of Certain Heavy Metal Salts on the Development of Eggs in Common Carp, Cyprinus carpio var. communis	Acta Hydrochim. Hydrobiol.10(5): 517-522	1982	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Siganus fuscescens	Dusky Spinefoot	Fish	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	24	AI mg/L	Kanda,T., H. Murata, and A. Kuroki	287	Toxicity of Removal Agents of Red Tide Plankton to the Fishes - with Special Reference to the Toxicity of Hydrogen Peroxide, Iron Sulfate (II) and	Suisan Zoshoku37(3): 221-224	1989	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Pelsartia humeralis	Sea Trumpeter	Fish	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	11.8	AI mg/L	Francesconi,K.A., and J.S. Edmonds	18523	Short-Term Effects on Sea Trumpeter (Therapon humeralis) of Oxidizing Iron (II) in Seawater	Bull. Environ. Contam. Toxicol.54(1): 15-21	1995	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	119.6	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tridentiger trigonocephalus	Chameleon Goby	Fish	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	86.8	AI mg/L	Kanda,T., H. Murata, and A. Kuroki	287	Toxicity of Removal Agents of Red Tide Plankton to the Fishes - with Special Reference to the Toxicity of Hydrogen Peroxide, Iron Sulfate (II) and	Suisan Zoshoku37(3): 221-224	1989	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	118	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Anguilla japonica	Japanese Eel	Fish	NR	Not reported	Larva	Intramuscular	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LD50	Mortality	Mortality	Not reported	Dissolved	180	AI mg/kg bdwt	Nakai,T., T. Kanno, E.R. Cruz, and K. Muroga	9943	The Effects of Iron Compounds on the Virulence of Vibrio anguillarum in Japanese Eels and Ayu	Fish Pathol.22(4): 185-189	1987	Drop: exposure type
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Development	Sexual development	Whole organism	Total	30.135	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Development	Sexual development	Whole organism	Total	40.18	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Development	Sexual development	Not reported	Total	30.135	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Development	Sexual development	Whole organism	Total	20.09	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Development	Sexual development	Whole organism	Total	30.135	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Development	Sexual development	Not reported	Total	20.09	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Growth	Growth, general	Not reported	Total	40.18	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Growth	Condition index	Not reported	Total	50.225	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Growth	Condition index	Whole organism	Total	100.45	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Growth	Condition index	Whole organism	Total	60.27	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Growth	Condition index	Not reported	Total	40.18	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Growth	Growth, general	Not reported	Total	10.045	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Growth	Condition index	Whole organism	Total	80.36	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Growth	Condition index	Whole organism	Total	40.18	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Morphology	Organ weight in relationship to body weight	Gastrointestinal tract	Total	100.45	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Morphology	Organ weight in relationship to body weight	Gastrointestinal tract	Total	80.36	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gastrointestinal tract	Total	70.315	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Morphology	Organ weight in relationship to body weight	Gastrointestinal tract	Total	80.36	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	2.25	AI mg/L	Alam,M.K., and O.E. Maughan	7085	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.56	AI mg/L	Alam,M.K., and O.E. Maughan	7085	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1.22	AI mg/L	Alam,M.K., and O.E. Maughan	7085	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1.36	AI mg/L	Alam,M.K., and O.E. Maughan	7085	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	5	Minutes post-fertilization	Egg	Lotic	Unmeasured	Fresh water	Field artificial	2	1	Day(s) pre-hatch	LOEL	Accumulation	Residue	Embryo	Total	5000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182 192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	5	Minutes post-fertilization	Egg	Lotic	Unmeasured	Fresh water	Field artificial	3	<6	Day(s)	LOEL	Hormone(s)	Cortisol	Embryo	Total	5000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182 192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	5	Minutes post-fertilization	Egg	Lotic	Unmeasured	Fresh water	Field artificial	3	14	Day(s)	LOEL	Mortality	Mortality	Not reported	Total	5000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182 192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	5	Minutes post-fertilization	Egg	Lotic	Unmeasured	Fresh water	Field artificial	2	1	Day(s) pre-hatch	LOEL	Accumulation	Residue	Embryo	Total	5000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182 192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	5	Minutes post-fertilization	Egg	Lotic	Unmeasured	Fresh water	Field artificial	3	<14	Day(s)	LOEL	Mortality	Mortality	Not reported	Total	5000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182 192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	5	Minutes post-fertilization	Egg	Lotic	Unmeasured	Fresh water	Field artificial	3	<6	Day(s)	NOEL	Hormone(s)	Cortisol	Embryo	Total	3000	kg/d	Van Anholt,R.D., F.A.T. Spanings, A.H. Knol, J.A. Van der Velden, and S.E. Wendelaar Bonga	75659	Effects of Iron Sulfate Dosage on the Water Flea (Daphnia magna Straus) and Early Development of Carp (Cyprinus carpio L.)	Arch. Environ. Contam. Toxicol.42(2): 182 192	2002	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Renewal	Measured	Fresh water	Lab	NR	15	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Total	0.5	AI mg/L	Alam,M.K., and O.E. Maughan	7085	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not coded	NC	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	71	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not coded	NC	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	<50	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: concentration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	20	AI mg/L	Mowbray,D.L.	17356	Assessment of the Biological Impact of OK Tedi Mine Tailings, Cyanide and Heavy Metals	In: J.C.Pernetta (Ed.), Reg.Seas Rep.Stud.No.99, Potential Impacts of Mining on the Fly River, UNEP, Athens, Greece:45-74	1988	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	34	AI mg/L	Mowbray,D.L.	17356	Assessment of the Biological Impact of OK Tedi Mine Tailings, Cyanide and Heavy Metals	In: J.C.Pernetta (Ed.), Reg.Seas Rep.Stud.No.99, Potential Impacts of Mining on the Fly River, UNEP, Athens, Greece:45-74	1988	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	LOEC	Biochemistry	Thiobarbituric acid reactive substances	Kidney	Total	13.8220609	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	LOEC	Enzyme(s)	Glucose-6-phosphate dehydrogenase	Kidney	Total	2.4011598	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	LOEC	Biochemistry	Lipid peroxides	Kidney	Total	2.4011598	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	LOEC	Biochemistry	Thiobarbituric acid reactive substances	Liver	Total	2.4011598	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	LOEC	Enzyme(s)	Catalase	Liver	Total	2.4011598	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	LOEC	Enzyme(s)	Glutathione S-transferase	Kidney	Total	2.4011598	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NOEC	Enzyme(s)	Glucose-6-phosphate dehydrogenase	Liver	Total	13.8220609	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Liver	Total	13.8220609	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NOEC	Biochemistry	Thiobarbituric acid reactive substances	Kidney	Total	2.4011598	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NOEC	Biochemistry	Lipid peroxides	Liver	Total	13.8220609	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NOEC	Enzyme(s)	Glutathione reductase	Liver	Total	13.8220609	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Kidney	Total	13.8220609	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Sander lucioperca	Zander	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.8333	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	0.5	AI mg/L	Stangenberg,M.	2700	The Influence of the Chemical Composition of Water on the Pike Perch (Lucioperca lucioperca L.) Fry from the Lake Gopio	Limnologica9(3): 421-426	1975	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	>7	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	100	AI mg/L	Sanborn,N.H.	14126	The Lethal Effect of Certain Chemicals on Fresh Water Fish	The Canning Trade16(27): 10,12-15,26	1945	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NR	Biochemistry	Protein content	Liver	Total	NR	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NR	Biochemistry	Protein content	Kidney	Total	NR	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	NR	Mortality	Mortality	Not reported	Total	100	AI mg/L	Ellis,M.M.	916	Detection and Measurement of Stream Pollution	In: Bull.Bur.Fish.No.22, U.S.Dep.Commerce, Washington, DC:365-437	1937	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NR	Accumulation	Residue	Liver	Total	NR	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NR	Enzyme(s)	Glutathione reductase	Kidney	Total	NR	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NR	Enzyme(s)	Catalase	Kidney	Total	NR	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1.3	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Sanborn,N.H.	14126	The Lethal Effect of Certain Chemicals on Fresh Water Fish	The Canning Trade16(27): 10,12-15,26	1945	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Total	1000	AI mg/L	Ellis,M.M.	916	Detection and Measurement of Stream Pollution	In: Bull.Bur.Fish.No.22, U.S.Dep.Commerce, Washington, DC:365-437	1937	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	7	Day(s)	NR	Enzyme(s)	Catalase	Liver	Total	NR	AI mg/L	Bagnyukova,T.V., O.I. Chahrak, and V.I. Lushchak	90036	Coordinated Response of Goldfish Antioxidant Defenses to Environmental Stress	Aquat. Toxicol.78(4): 325-331	2006	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	A.R. grade (Analytical Reagent grade)	NR	Lemna disperma	Duckweed	Flowers, Trees, Shrubs, Ferns	3	Frond	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	EC50	Population	Abundance	Not reported	Total	277.0569	AI mg/L	Abdul,J.M., A. Colville, R. Lim, S. Vigneswaran, and J. Kandasamy	164122	Use of Duckweed (Lemna disperma) to Assess the Phytotoxicity of the Products of Fenton Oxidation of Metsulfuron	Ecotoxicol. Environ. Saf.83:89-95	2012	Keep
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Lotus pedunculatus	Big Trefoil	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Juncus inflexus	Rush	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Oryza sativa	Rice	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Galium palustre	Madder	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Caltha palustris	Buttercup	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Galium aparine	Catchweed Bedstraw	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Agrostis stolonifera	Creeping Bentgrass	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Primula laurentiana	Primrose	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Parnassia palustris	Rose	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Scrophularia auriculata	Water Figwort, Water Betony	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Briza media	Grass	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Epilobium hirsutum	Primrose	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carex lepidocarpa	Sedge	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Lysimachia vulgaris	Primrose	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carex echinata	Sedge	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Eupatorium cannabinum	Sunflower	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Rumex acetosa	Knotweed	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Thalictrum flavum	Yellow Meadow Rue	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Valeriana dioica	Valerian	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Rumex hydrolapathum	Water Dock	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Pedicularis palustris	European Purple Lousewort	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Typha latifolia	Cattail	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Potentilla palustris	Purple Marshlocks	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Filipendula ulmaria	Rose	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Eriophorum latifolium	Broad-Leaved Cotton Grass	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Juncus effusus	Rush	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Ranunculus flammula	Buttercup	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Lychnis flos-cuculi	Pink	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Valeriana officinalis	Valerian	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Azolla caroliniana	Water Fern	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Population	Abundance	Not reported	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Molinia caerulea	Grass	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Eriophorum angustifolium	Sedge	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Holcus lanatus	Velvetgrass	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Epilobium palustre	Primrose	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carex appropinquata	Fibrous Tussock-Sedge	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population growth rate	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carex diandra	Sedge	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Juncus subnodulosus	Rush	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Juncus articulatus	Rush	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Juncus acutiflorus	Rush	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Carex pulicaris	Sedge	Flowers, Trees, Shrubs, Ferns	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Lemna sp.	Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Population	Abundance	Not reported	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	LOEC	Growth	Weight	Rhizome	Total	10	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	LOEC	Accumulation	Residue	Root	Total	2	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	LOEC	Growth	Weight	Root	Total	2	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	LOEC	Accumulation	Residue	Shoot	Total	50	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	LOEC	Growth	Weight	Shoot	Total	2	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	LOEC	Growth	Length	Root	Total	2	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Growth	Length	Root	Total	1	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Growth	Weight	Rhizome	Total	5	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Accumulation	Residue	Shoot	Total	20	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Growth	Weight	Shoot	Total	1	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Accumulation	Residue	Root	Total	1	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Accumulation	Residue	Rhizome	Total	50	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NOEC	Growth	Weight	Root	Total	1	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NR	Accumulation	Uptake	Seedling	Total	NR	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Trifolium pratense	Red Clover	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phalaris arundinacea	Reed Canarygrass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Iris pseudacorus	Iris	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NR	Growth	Length	Multiple tissue/organ	Total	NR	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Lythrum salicaria	Loostrife	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	>18	Day(s)	Seedling	Renewal	Not reported	Fresh water	Lab	NR	14	Day(s)	NR	Population	Population changes, general	Not reported	Total	100	AI mg/L	Snowden,R.E.D., and B.D. Wheeler	4883	Iron Toxicity to Fen Plant Species	J. Ecol.81:35-46	1993	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Seedling	Renewal	Unmeasured	Fresh water	Lab	10	64	Day(s)	NR	Growth	Growth rate	Root	Total	NR	AI mg/L	Batty,L.C., and P.L. Younger	93712	Critical Role of Macrophytes in Achieving Low Iron Concentrations in Mine Water Treatment Wetlands	Environ. Sci. Technol.36:3997-4002	2002	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Alatospora acuminata	Fungi	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	6	Day(s)	LOEL	Reproduction	Seed or spore production	Not reported	Total	2.4	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tetrachaetum elegans	Fungus	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	6	Day(s)	LOEL	Reproduction	Seed or spore production	Not reported	Total	1.2	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Alatospora acuminata	Fungi	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	6	Day(s)	NOEL	Reproduction	Seed or spore production	Not reported	Total	1.2	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tetrachaetum elegans	Fungus	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	42	Day(s)	NOEL	Population	Diameter	Not reported	Total	6.9	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Alatospora acuminata	Fungi	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	42	Day(s)	NOEL	Population	Diameter	Not reported	Total	6.9	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Hymenoscyphus tetracladius	Fungi	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	42	Day(s)	NOEL	Population	Diameter	Not reported	Total	6.9	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Hymenoscyphus tetracladius	Fungi	Fungi	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	5	6	Day(s)	NOEL	Reproduction	Seed or spore production	Not reported	Total	6.9	AI mg/L	Bermingham,S., L. Maltby, and R.C. Cooke	85740	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments	J. Appl. Ecol.33(6): 1322-1328	1996	Drop: species
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	5	Day(s)	EC50	Behavior	Behavioral changes, general	Not reported	Total	40.2	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: for longer duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	EC50	Behavior	Behavioral changes, general	Not reported	Total	63.9	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: for longer duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	5	Day(s)	EC50	Behavior	Behavioral changes, general	Not reported	Total	70	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: for longer duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	EC50	Behavior	Behavioral changes, general	Not reported	Total	70	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: for longer duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	89.5	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	5	Day(s)	LC50	Mortality	Mortality	Not reported	Total	106.3	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	5	Day(s)	LC50	Mortality	Mortality	Not reported	Total	65.3	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Ephemerella subvaria	Mayfly	Insects/Spiders	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.32	AI mg/L	Warnick,S.L., and H.L. Bell	2026	The Acute Toxicity of Some Heavy Metals to Different Species of Aquatic	J. Water Pollut. Control Fed.41(2 Pt.1): 280-284	1969	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	106.3	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Arrenurus manubriator	Water Mite	Insects/Spiders	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LOEC	Mortality	Mortality	Not reported	Total	1000	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Arrenurus manubriator	Water Mite	Insects/Spiders	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LOEC	Mortality	Mortality	Not reported	Total	1000	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Arrenurus manubriator	Water Mite	Insects/Spiders	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NOEC	Mortality	Hatch	Not reported	Total	1000	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Arrenurus manubriator	Water Mite	Insects/Spiders	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	15	Day(s)	NOEC	Mortality	Hatch	Not reported	Total	1000	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Arrenurus manubriator	Water Mite	Insects/Spiders	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Mortality	Mortality	Not reported	Total	800	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Culex quinquefasciatus	Southern House Mosquito	Insects/Spiders	3	Instar	Larva	Aquatic - not reported	Unmeasured	Fresh water	Lab	7	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	250	AI mg/L	Vijayan,V., and K. Balaraman	117150	Effect of Inorganic Salts, Soaps and Detergents on Dissolution and Larvicidal Activity of Alginate Formulation of Bacillus sphaericus	Southeast Asian J. Trop. Med. Public Health26(1): 183-187	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Culex quinquefasciatus	Southern House Mosquito	Insects/Spiders	3	Instar	Larva	Aquatic - not reported	Unmeasured	Fresh water	Lab	7	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Vijayan,V., and K. Balaraman	117150	Effect of Inorganic Salts, Soaps and Detergents on Dissolution and Larvicidal Activity of Alginate Formulation of Bacillus sphaericus	Southeast Asian J. Trop. Med. Public Health26(1): 183-187	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Leptophlebia marginata	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Renewal	Measured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Whole organism	Total	NR	AI mg/L	Gerhardt,A.	17273	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LOEC	Mortality	Mortality	Not reported	Total	400	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Population	Abundance	Not reported	Total	100.45	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Mortality	Hatch	Not reported	Total	1000	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Egg	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Mortality	Mortality	Not reported	Total	200	AI mg/L	Rousch,J.M., T.W. Simmons, B.L. Kerans, and B.P. Smith	18276	Relative Acute Effects of Low pH and High Iron on the Hatching and Survival of the Water Mite (Arrenurus manubriator) and the Aquatic Insect (Chironomus	Environ. Toxicol. Chem.16(10): 2144-2150	1997	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NOEC	Population	Abundance	Not reported	Total	80.36	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: for MATC
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Population	Population changes, general	Not reported	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	NR	Accumulation	Residue	Whole organism	Total	NR	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	12	1	Day(s)	EC50	Mortality	Survival	Not reported	Total	3.8	AI mg/L	Dayeh,V.R., D.H. Lynn, and N.C. Bols	85942	Cytotoxicity of Metals Common in Mining Effluent to Rainbow Trout Cell Lines and to the Ciliated Protozoan, Tetrahymena thermophila	Toxicol. In Vitro19(3): 399-410	2005	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Philodina acuticornis	Rotifer	Invertebrates	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	1	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	19.1	AI mg/L	Buikema,A.L.,Jr., C.L. See, and J.,Jr. Cairns	2059	Rotifer Sensitivity to Combinations of Inorganic Water Pollutants	OWRT Project A-071-VA, VA Water Resour.Res.Center Bull.No.92, Blacksburg,VA:42 p.	1977	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tetrahymena thermophila	Ciliate Protozoa	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	12	1	Day(s)	EC50	Mortality	Survival	Not reported	Total	7.67	AI mg/L	Dayeh,V.R., D.H. Lynn, and N.C. Bols	85942	Cytotoxicity of Metals Common in Mining Effluent to Rainbow Trout Cell Lines and to the Ciliated Protozoan, Tetrahymena thermophila	Toxicol. In Vitro19(3): 399-410	2005	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Philodina acuticornis	Rotifer	Invertebrates	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	2	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	11.3	AI mg/L	Buikema,A.L.,Jr., C.L. See, and J.,Jr. Cairns	2059	Rotifer Sensitivity to Combinations of Inorganic Water Pollutants	OWRT Project A-071-VA, VA Water Resour.Res.Center Bull.No.92, Blacksburg,VA:42 p.	1977	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Philodina acuticornis	Rotifer	Invertebrates	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	4	Day(s)	EC50	Intoxication	Immobile	Not reported	Total	14.8	AI mg/L	Buikema,A.L.,Jr., C.L. See, and J.,Jr. Cairns	2059	Rotifer Sensitivity to Combinations of Inorganic Water Pollutants	OWRT Project A-071-VA, VA Water Resour.Res.Center Bull.No.92, Blacksburg,VA:42 p.	1977	Keep
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	>=90	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	6	0.375	Day(s)	IC50	Population	Population growth rate	Not reported	Total	52.2	AI mg/L	Bogaerts,P., J. Bohatier, and F. Bonnemoy	62033	Use of the Ciliated Protozoan Tetrahymena pyriformis for the Assessment of Toxicity and Quantitative Structure-Activity Relationships of Xenobiotics: Comparison with the Microtox Test	Ecotoxicol. Environ. Saf.49(3): 293-301	2001	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	>=90	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	7	0.0417	Day(s)	IC50	Enzyme(s)	Non-specific esterases	Not reported	Total	>100	AI mg/L	Bogaerts,P., J. Bohatier, and F. Bonnemoy	62033	Use of the Ciliated Protozoan Tetrahymena pyriformis for the Assessment of Toxicity and Quantitative Structure-Activity Relationships of Xenobiotics: Comparison with the Microtox Test	Ecotoxicol. Environ. Saf.49(3): 293-301	2001	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Brachionus calyciflorus	Rotifer	Invertebrates; Standard Test Species	NR	Not reported	Post-hatch	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	35.401715	AI mg/L	Calleja,M.C., and G. Persoone	16037	Cyst-Based Toxicity Tests. IV. The Potential of Ecotoxicological Tests for the Prediction of Acute Toxicity in Man as Evaluated on the First Ten Chemicals of the MEIC Programme	Alt. Lab. Anim. (ATLA)20:396-405	1992	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Brachionus plicatilis	Rotifer	Invertebrates; Standard Test Species	NR	Not reported	Post-hatch	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	84.964116	AI mg/L	Calleja,M.C., and G. Persoone	16037	Cyst-Based Toxicity Tests. IV. The Potential of Ecotoxicological Tests for the Prediction of Acute Toxicity in Man as Evaluated on the First Ten Chemicals of the MEIC Programme	Alt. Lab. Anim. (ATLA)20:396-405	1992	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Brachionus calyciflorus	Rotifer	Invertebrates; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	3.5401715	AI mg/L	Calleja,M.C., G. Persoone, and P. Geladi	13669	Comparative Acute Toxicity of the First 50 Multicentre Evaluation of In Vitro Cytotoxicity Chemicals to Aquatic Non-vertebrates	Arch. Environ. Contam. Toxicol.26(1): 69-78	1994	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Ecosystem process	Primary productivity	Not reported	Total	6.07	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: species and test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Ecosystem process	Primary productivity	Not reported	Total	10.045	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: species and test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Ecosystem process	Primary productivity	Not reported	Total	10.045	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: species and test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Ecosystem process	Primary productivity	Not reported	Total	6.027	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Drop: species and test
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Population	Abundance	Not reported	Total	10.045	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Keep
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial	10	90	Day(s)	LOEC	Population	Abundance	Not reported	Total	10.045	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	10678	Lethal Effects of Iron on Fish and Aquatic Ecosystem	IAWPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-162	1982	Keep
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population changes, general	Not reported	Total	0.00307841	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Diversity, Evenness	Not reported	Total	0.002770569	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Population	Population changes, general	Not reported	Total	0.00307841	AI mg/L	Pollingher,U., B. Kaplan, and T. Berman	17107	The Impact of Iron and Chelators on Lake Kinneret Phytoplankton	J. Plankton Res.17(10): 1977-1992	1995	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>6	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	2	143	Day(s)	LOEC	Genetics	Selenium-binding protein mRNA	Hepatopancreas	Total	1267.2	AI mg/kg food	Wu,C.L., W.B. Zhang, K.S. Mai, X.F. Liang, W. Xu, J. Wang, and H.M. Ma	165930	Molecular Cloning, Characterization and mRNA Expression of Selenium-Binding Protein in Abalone (Haliotis discus hannai Ino): Response to Dietary Selenium, Iron and Zinc	Fish Shellfish Immunol.29(1): 117-125	2010	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Enzyme(s)	Catalase	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Glochidia	Renewal	Unmeasured	Fresh water	Lab	5	2	Day(s)	LOEC	Mortality	Survival	Not reported	Total	1	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	LOEC	Enzyme(s)	Catalase	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	6	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Catalase	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	6	Day(s)	LOEC	Biochemistry	Malondialdehyde	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	LOEC	Biochemistry	Manganese (Mn) content	Soft tissue	Total	135.39	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	2	140	Day(s)	LOEC	Genetics	Glutathione Peroxidase mRNA	Hepatopancreas	Total	1267.2	AI mg/kg food	Wu,C., K. Mai, W. Zhang, Q. Ai, W. Xu, X. Wang, H. Ma, and Z. Liufu	166932	Molecular Cloning, Characterization and mRNA Expression of Selenium-Dependent Glutathione Peroxidase from Abalone Haliotis discus hannai Ino in Response to Dietary Selenium, Zinc	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.152(2): 121-132	2010	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	2	140	Day(s)	LOEC	Genetics	Glutathione Peroxidase mRNA	Hemocyte	Total	1267.2	AI mg/kg food	Wu,C., K. Mai, W. Zhang, Q. Ai, W. Xu, X. Wang, H. Ma, and Z. Liufu	166932	Molecular Cloning, Characterization and mRNA Expression of Selenium-Dependent Glutathione Peroxidase from Abalone Haliotis discus hannai Ino in Response to Dietary Selenium, Zinc	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.152(2): 121-132	2010	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	2	140	Day(s)	LOEC	Biochemistry	Antioxidant activity	Hepatopancreas	Total	1267.2	AI mg/kg food	Wu,C., K. Mai, W. Zhang, Q. Ai, W. Xu, X. Wang, H. Ma, and Z. Liufu	166932	Molecular Cloning, Characterization and mRNA Expression of Selenium-Dependent Glutathione Peroxidase from Abalone Haliotis discus hannai Ino in Response to Dietary Selenium, Zinc	Comp. Biochem. Physiol. C Comp. Pharmacol. Toxicol.152(2): 121-132	2010	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	8	Day(s)	LOEC	Enzyme(s)	Catalase	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	Catalase	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	LOEC	Biochemistry	Malondialdehyde	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	LOEC	Enzyme(s)	Catalase	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Enzyme(s)	Catalase	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	6	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Biochemistry	Malondialdehyde	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	8	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	8	Day(s)	LOEC	Enzyme(s)	Superoxide dismutase (SOD) enzyme activity	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	6	Day(s)	LOEC	Enzyme(s)	Catalase	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	2	143	Day(s)	LOEC	Genetics	Selenium-binding protein mRNA	Hemocyte	Total	1267.2	AI mg/kg food	Wu,C.L., W.B. Zhang, K.S. Mai, X.F. Liang, W. Xu, J. Wang, and H.M. Ma	165930	Molecular Cloning, Characterization and mRNA Expression of Selenium-Binding Protein in Abalone (Haliotis discus hannai Ino): Response to Dietary Selenium, Iron and Zinc	Fish Shellfish Immunol.29(1): 117-125	2010	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	8	Day(s)	LOEC	Biochemistry	Malondialdehyde	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	LOEC	Accumulation	Residue	Soft tissue	Total	34.13	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Juvenile	Renewal	Unmeasured	Fresh water	Lab	4	7	Day(s)	NOEC	Mortality	Survival	Not reported	Total	2	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Accumulation	Residue	Shell	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Juvenile	Renewal	Unmeasured	Fresh water	Lab	5	7	Day(s)	NOEC	Mortality	Survival	Not reported	Total	2	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	8	Day(s)	NOEC	Biochemistry	Malondialdehyde	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Glochidia	Renewal	Measured	Fresh water	Lab	3	NR	Day(s)	NOEC	Population	Abundance	Not reported	Labile	NR	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: concentration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Protein content	Soft tissue	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Glochidia	Renewal	Unmeasured	Fresh water	Lab	5	2	Day(s)	NOEC	Mortality	Survival	Not reported	Total	0.5	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Biochemistry	Malondialdehyde	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Biochemistry	Malondialdehyde	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Manganese (Mn) content	Shell	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Manganese (Mn) content	Soft tissue	Total	82.46	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	6	Day(s)	NOEC	Enzyme(s)	Catalase	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Growth	Weight gain	Whole organism	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Growth	Growth rate	Shell	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Growth	Length	Shell	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Ash content	Shell	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Mortality	Survival	Not reported	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	8	Day(s)	NOEC	Enzyme(s)	Catalase	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Biochemistry	Malondialdehyde	Gill(s)	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	6	Day(s)	NOEC	Biochemistry	Malondialdehyde	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Water content	Soft tissue	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Lipid	Soft tissue	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Juvenile	Renewal	Unmeasured	Fresh water	Lab	4	7	Day(s)	NOEC	Mortality	Survival	Not reported	Total	2	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Growth	Weight	Whole organism	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Haliotis discus ssp. hannai	Japanese Disc Abalone	Molluscs	NR	Not reported	Juvenile	Food	Measured	Salt water	Lab	7	112	Day(s)	NOEC	Biochemistry	Ash content	Soft tissue	Total	212.65	AI mg/kg food	Mai,K., and B. Tan	116555	Iron Methionine (FeMET) and Iron Sulfate (FeSO4) as Sources of Dietary Iron for Juvenile Abalone, Haliotis discus Hannai Ino	J. Shellfish Res.19(2): 861-868	2000	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	NOEC	Biochemistry	Malondialdehyde	Mantle	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	900	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Bulinus truncatus	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	900	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	10	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	0.15	AI mg/L	Vlahogianni,T.H., and A. Valavanidis	115430	Heavy-Metal Effects on Lipid Peroxidation and Antioxidant Defence Enzymes in Mussels Mytilus	Chem. Ecol.23(5): 361-371	2007	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Margaritifera margaritifera	Eastern Pearlshell	Molluscs	NR	Not reported	Glochidia	Renewal	Unmeasured	Fresh water	Lab	5	NR	Day(s)	NR	Mortality	Survival	Not reported	Total	NR	AI mg/L	Taskinen,J., P. Berg, M. Saarinen-Valta, S. Valila, E. Maenpaa, K. Myllynen, and J. Pakkala	160810	Effect of pH, Iron and Aluminum on Survival of Early Life History Stages of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera	Toxicol. Environ. Chem.93(9): 1764-1777	2011	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Biomphalaria glabrata	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Behavior	Observed stress	Not reported	Total	100	AI mg/L	Harry,H.W., and D.V. Aldrich	2853	The Distress Syndrome in Taphius glabratus (Say) as a Reaction to Toxic Concentrations of Inorganic Ions	Malacologia1(2): 283-289	1963	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Bulinus truncatus	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	800	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	800	AI mg/L	Gohar,H.A.F., and H. El-Gindy	116751	Tolerance of Vector Snails of Bilharziasis and Fascioliasis to Some Chemicals	Proc. Egypt. Acad. Sci.16:37-48	1961	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Biomphalaria glabrata	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Behavior	Observed stress	Not reported	Total	150	AI mg/L	Harry,H.W., and D.V. Aldrich	2853	The Distress Syndrome in Taphius glabratus (Say) as a Reaction to Toxic Concentrations of Inorganic Ions	Malacologia1(2): 283-289	1963	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	LOEC	Hormone(s)	Serotonin	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	LOEC	Hormone(s)	Dopamine	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	LOEC	Enzyme(s)	phospholipid-hydroperoxide glutathione peroxidase (PHGPx)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	LOEC	Biochemistry	Glutathione (reduced glutathione)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Hormone(s)	Dopamine	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Hormone(s)	Serotonin	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	LOEC	Biochemistry	Malondialdehyde	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Hormone(s)	Serotonin	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	LOEC	Enzyme(s)	Catalase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	LOEC	Hormone(s)	Serotonin	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Enzyme(s)	phospholipid-hydroperoxide glutathione peroxidase (PHGPx)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	LOEC	Hormone(s)	Serotonin	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	LOEC	Hormone(s)	Dopamine	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	LOEC	Enzyme(s)	phospholipid-hydroperoxide glutathione peroxidase (PHGPx)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	LOEC	Enzyme(s)	phospholipid-hydroperoxide glutathione peroxidase (PHGPx)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	NOEC	Enzyme(s)	Glutathione peroxidase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Enzyme(s)	Glutathione S-transferase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Biochemistry	Malondialdehyde	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	NOEC	Enzyme(s)	Catalase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Enzyme(s)	Glutathione peroxidase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Enzyme(s)	Glutathione S-transferase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Hormone(s)	Dopamine	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	NOEC	Enzyme(s)	Glutathione peroxidase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	NOEC	Biochemistry	Glutathione (reduced glutathione)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Biochemistry	Glutathione (reduced glutathione)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Hormone(s)	Serotonin	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Enzyme(s)	Catalase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Hormone(s)	Dopamine	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	NOEC	Enzyme(s)	Glutathione S-transferase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	NOEC	Hormone(s)	Serotonin	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Enzyme(s)	Glutathione peroxidase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	NOEC	Hormone(s)	Serotonin	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Hormone(s)	Dopamine	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	NOEC	Hormone(s)	Dopamine	Digestive gland	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	NOEC	Hormone(s)	Dopamine	Muscle	Total	0.5	AI mg/L	Almeida,E.A., A.C.D. Bainy, M.H.G. Medeiros, and P. Di Mascio	116264	Effects of Trace Metal and Exposure to Air on Serotonin and Dopamine Levels in Tissues of the Mussel Perna perna	Mar. Pollut. Bull.46(11): 1485-1490	2003	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Enzyme(s)	Catalase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	1	Day(s)	NOEC	Biochemistry	Malondialdehyde	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	0.5	Day(s)	NOEC	Biochemistry	Malondialdehyde	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	3	Day(s)	NOEC	Biochemistry	Glutathione (reduced glutathione)	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Perna perna	Brown Mussel	Molluscs; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	2	5	Day(s)	NOEC	Enzyme(s)	Glutathione S-transferase	Digestive gland	Total	0.5	AI mg/L	de Almeida,E.A., S. Miyamoto, A.C.D. Bainy, M.H.G. De Medeiros, and P. Di Mascio	85662	Protective Effect of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) Against Lipid Peroxidation in Mussels Perna perna Exposed to Different Metals	Mar. Pollut. Bull.49(5-6): 386-392	2004	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Branchiura sowerbyi	Oligochaete	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	446	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Branchiura sowerbyi	Oligochaete	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	560	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Branchiura sowerbyi	Oligochaete	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	580	AI mg/L	Mukhopadhyay,M.K., and S.K. Konar	11539	Toxicity of Copper, Zinc and Iron to Fish, Plankton and Worm	Geobios11:204-207	1984	Drop: duration
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Ophryotrocha labronica	Polychaete	Worms	15	Day(s)	Adult	Renewal	Unmeasured	Salt water	Lab	NR	20.83	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1	AI mg/L	Brown,B., and M. Ahsanullah	2467	Effect of Heavy Metals on Mortality and Growth	Mar. Pollut. Bull.2:182-187	1971	Drop: saltwater
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	5	Day(s)	LOEC	Cell(s)	Volume	Nuclei	Total	10	AI mg/L	Fischer,E., J. Filip, and L. Molnar	9799	The Effect of Bivalent Heavy Metals on the Oxygen-Dependent Nuclear Volume Alterations of the Chloragocytes in Tubifex tubifex Mull	Environ. Pollut. A.23(4): 261-265	1980	Drop: endpoint
7720787	Sulfuric acid, Iron (2+) salt (1:1)	Not reported	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	5	Day(s)	NOEC	Cell(s)	Volume	Nuclei	Total	10	AI mg/L	Fischer,E., J. Filip, and L. Molnar	9799	The Effect of Bivalent Heavy Metals on the Oxygen-Dependent Nuclear Volume Alterations of the Chloragocytes in Tubifex tubifex Mull	Environ. Pollut. A.23(4): 261-265	1980	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Oocystis submarina	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	EC10	Population	Population growth rate	Not reported	Total	3.47	AI mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Stichococcus bacillaris	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	EC10	Population	Population growth rate	Not reported	Total	1.66	AI mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Stichococcus bacillaris	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	EC50	Population	Population growth rate	Not reported	Total	>10	AI mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Oocystis submarina	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	EC50	Population	Population growth rate	Not reported	Total	>10	AI mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.375	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	AI mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	1.875	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.0253506	AI mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.375	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	AI mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	1.875	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.0253506	AI mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	0.625	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	AI mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	0.625	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Cyclotella meneghiniana	Diatom	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	>10	Al mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.75	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Oocystis submarina	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	>1	Al mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.375	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Stichococcus bacillaris	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	>0.5	Al mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	2.9583	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.75	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.375	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2.375	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2.375	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	0.625	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	2.9583	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	1.875	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	NR	1.875	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.75	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.375	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.375	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	2.9583	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2	Day(s)	NOEC	Population	Chlorophyll A concentration	Not reported	Active ingredient	0.0253506	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Stichococcus bacillaris	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	NOEC	Population	Population growth rate	Not reported	Total	>0.5	Al mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.75	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.75	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	2	1.75	Day(s)	NOEC	Biochemistry	Chlorophyll	Not reported	Active ingredient	0.00633765	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	NR	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	NR	Day(s)	NR	Population	Chlorophyll A concentration	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	NR	Day(s)	NR	Accumulation	Residue	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	NR	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	NR	Day(s)	NR	Accumulation	Residue	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	~2.5	Day(s)	NR	Accumulation	Residue	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	2	Day(s)	NR	Accumulation	Residue	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Crypthecodinium cohnii	Phytoplankton	Algae	NR	Not reported	Not reported	Static	Measured	Fresh water	Lab	3	NR	Day(s)	NR	Population	Chlorophyll A concentration	Not reported	Active ingredient	NR	Al mg/L	Twiss,M.R., J.C. Auclair, and M.N. Charlton	90575	An Investigation into Iron-Stimulated Phytoplankton Productivity in Epipelagic Lake Erie During Thermal Stratification Using Trace Metal Clean Techniques	Can. J. Fish. Aquat. Sci.57:86-95	2000	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	EC10	Population	Population growth rate	Not reported	Total	0.9	Al mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Chlorella vulgaris	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	6	9	Day(s)	EC50	Population	Population growth rate	Not reported	Total	>10	Al mg/L	Latala,A., and W. Surosz	61921	Growth of Four Planktonic Algae from Brackish Water in the Presence of Heavy Metals	Pol. Arch. Hydrobiol.46(2): 131-154	1999	Drop: saltwater
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Heterocypris incongruens	Ostracod	Crustaceans	48	Hour(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	6	Day(s)	EC50	Growth	Growth, general	Whole organism	Total	2.177	mmol/dm3	Kudlak,B., L. Wolska, and J. Namiesnik	169926	Determination of EC50 in Toxicity Data of Selected Heavy Metals Toward Heterocypris incongruens and Their Comparison to "Direct-Contact" and Microbiotests	Environ. Monit. Assess.174(1-4): 509-516	2011	Drop: test
7758943	Iron chloride (FeCl2)	Not reported	NR	Epischura baikalensis	Copepod	Crustaceans	NR	Stage	Copepodite	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	12.6753	Al mg/L	Stom,D.I., and L.D. Zubareva	17048	Comparative Resistance of Daphnia and Epischura to Toxic Substances in Acute Exposure	Hydrobiol. J.30(3): 35-38	1994	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Epischura baikalensis	Copepod	Crustaceans	NR	Stage	Copepodite	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1.26753	Al mg/L	Stom,D.I., and L.D. Zubareva	17048	Comparative Resistance of Daphnia and Epischura to Toxic Substances in Acute Exposure	Hydrobiol. J.30(3): 35-38	1994	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Orconectes propinquus ssp. propinquus	Crayfish	Crustaceans	NR	Not reported	Adult	Injection, unspecified	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Histology	Histological changes, general	Not reported	Total	NR	Al mg/kg bdwt	Roldan,B.M., and R.R. Shivers	370	The Uptake and Storage of Iron and Lead in Cells of the Crayfish (Orconectes propinquus) Hepatopancreas and Antennal Gland	Comp. Biochem. Physiol. C Comp. Pharmacol.86(1): 201-214	1987	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	0.017	Al mg/L	Oda,S., N. Tatarazako, H. Watanabe, M. Morita, and T. Iguchi	97744	Genetic Differences in the Production of Male Neonates in Daphnia magna Exposed to Juvenile Hormone Analogs	Chemosphere63(9): 1477-1484	2006	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	0.019	Al mg/L	Oda,S., N. Tatarazako, H. Watanabe, M. Morita, and T. Iguchi	97744	Genetic Differences in the Production of Male Neonates in Daphnia magna Exposed to Juvenile Hormone Analogs	Chemosphere63(9): 1477-1484	2006	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	7	2	Day(s)	EC50	Mortality	Mortality	Not reported	Total	0.019	Al mg/L	Oda,S., N. Tatarazako, H. Watanabe, M. Morita, and T. Iguchi	97744	Genetic Differences in the Production of Male Neonates in Daphnia magna Exposed to Juvenile Hormone Analogs	Chemosphere63(9): 1477-1484	2006	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	<16.097631	Al mg/L	Hockett,J.R., and D.R. Mount	45021	Use of Metal Chelating Agents to Differentiate Among Sources of Acute Aquatic Toxicity	Environ. Toxicol. Chem.15(10): 1687-1693	1996	Drop: concentration
7758943	Iron chloride (FeCl2)	Not reported	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	103.430448	Al mg/L	Hockett,J.R., and D.R. Mount	45021	Use of Metal Chelating Agents to Differentiate Among Sources of Acute Aquatic Toxicity	Environ. Toxicol. Chem.15(10): 1687-1693	1996	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	126.753	Al mg/L	Stom,D.I., and L.D. Zubareva	17048	Comparative Resistance of Daphnia and Epischura to Toxic Substances in Acute Exposure	Hydrobiol. J.30(3): 35-38	1994	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	1.26753	Al mg/L	Stom,D.I., and L.D. Zubareva	17048	Comparative Resistance of Daphnia and Epischura to Toxic Substances in Acute Exposure	Hydrobiol. J.30(3): 35-38	1994	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Day(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	12.6753	Al mg/L	Stom,D.I., and L.D. Zubareva	17048	Comparative Resistance of Daphnia and Epischura to Toxic Substances in Acute Exposure	Hydrobiol. J.30(3): 35-38	1994	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	4	Hour(s)	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2.6667	Day(s)	NR	Intoxication	Immobile	Not reported	Total	38	Al mg/L	Anderson,B.G.	2054	The Apparent Thresholds of Toxicity to Daphnia magna for Chlorides of Various Metals when Added to Lake Erie Water	Trans. Am. Fish. Soc.78:96-113	1948	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	1	Day(s)	LC0	Mortality	Mortality	Not reported	Total	4	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	4	Day(s)	LC0	Mortality	Mortality	Not reported	Total	4	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	2	Day(s)	LC0	Mortality	Mortality	Not reported	Total	4	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	4	Day(s)	LC0	Mortality	Mortality	Not reported	Total	2	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	3	Day(s)	LC0	Mortality	Mortality	Not reported	Total	2	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	2	Day(s)	LC0	Mortality	Mortality	Not reported	Total	2	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	3	Day(s)	LC0	Mortality	Mortality	Not reported	Total	4	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	1	Day(s)	LC0	Mortality	Mortality	Not reported	Total	2	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	4	Day(s)	LC100	Mortality	Mortality	Not reported	Total	6	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	2	Day(s)	LC100	Mortality	Mortality	Not reported	Total	8	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	1	Day(s)	LC100	Mortality	Mortality	Not reported	Total	8	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	2	Day(s)	LC100	Mortality	Mortality	Not reported	Total	6	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	11	3	Day(s)	LC100	Mortality	Mortality	Not reported	Total	6	Al mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	1	Day(s)	LC100	Mortality	Mortality	Not reported	Total	8	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	4	Day(s)	LC100	Mortality	Mortality	Not reported	Total	8	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Technical grade, technical product, technical formulation	NR	Morone saxatilis	Striped Bass	Fish	1	Month(s)	Fingerling	Static	Unmeasured	Fresh water	Lab	11	3	Day(s)	LC100	Mortality	Mortality	Not reported	Total	8	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	6	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	4	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	4	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	4	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Tanichthys albonubes	White Cloud Mountain Minnow	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Kitamura,H.	5459	Relation Between the Toxicity of Some Toxicants to the Aquatic Animals (Tanichthys albonubes and Neocaridina denticulata) and the Hardness of the Test Solution	Bull. Fac. Fish. Nagasaki Univ. (Chodai Sui Kempo)67:13-19	1990	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	6	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	6	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Tanichthys albonubes	White Cloud Mountain Minnow	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Kitamura,H.	5459	Relation Between the Toxicity of Some Toxicants to the Aquatic Animals (Tanichthys albonubes and Neocaridina denticulata) and the Hardness of the Test Solution	Bull. Fac. Fish. Nagasaki Univ. (Chodai Sui Kempo)67:13-19	1990	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Tanichthys albonubes	White Cloud Mountain Minnow	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Kitamura,H.	5459	Relation Between the Toxicity of Some Toxicants to the Aquatic Animals (Tanichthys albonubes and Neocaridina denticulata) and the Hardness of the Test Solution	Bull. Fac. Fish. Nagasaki Univ. (Chodai Sui Kempo)67:13-19	1990	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	6	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Morone saxatilis	Striped Bass	Fish	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	4	AI mg/L	Hughes,J.S.	2012	Acute Toxicity of Thirty Chemicals to Striped Bass (Morone saxatilis)	Proc. Annu. Conf. Western Assoc. State Game Fish Comm.:15 p.	1973	Drop: duration
7758943	Iron chloride (FeCl2)	Not reported	NR	Tilapia sparrmanii	Banded Bream	Fish	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Total	NR	AI mg/L	Grobler-Van Heerden,E., J.H.J. Van Vuran, and H.H. Du Preez	3935	Bioconcentration of Atrazine, Zinc and Iron in the Blood of Tilapia sparrmanii (Cichlidae)	Comp. Biochem. Physiol. C Comp. Pharmacol.100(3): 629-633	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	7	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	148.9	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	7	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	97.8	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	7	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	48.6	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	LOEC	Development	Normal	Vertebra	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	LOEC	Biochemistry	Calcium content	Whole organism	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	LOEC	Biochemistry	Sodium content	Whole organism	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	7	Day(s)	LOEC	Accumulation	Residue	Whole organism	Total	48.6	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	5	Day(s)	LOEC	Physiology	Heart rate	Not reported	Total	25.6	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: duration
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	LOEC	Development	Normal	Vertebra	Total	0.04436355	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	LOEC	Growth	Weight	Whole organism	Total	0.04436355	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NOEC	Growth	Weight	Whole organism	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NOEC	Biochemistry	Magnesium (Mg) content	Whole organism	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NOEC	Biochemistry	Potassium content	Whole organism	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: for MATC
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Degree days	Egg	Flow-through	Measured	Fresh water	Lab	NR	300	Degree days	NR	Biochemistry	Potassium content	Whole organism	Total	0.2243528	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45197	Embryonic and Larval Development of Brown Trout, Salmo trutta L.: Exposure to Trace Metal Mixtures in Soft Water	J. Fish Biol.38:773-787	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Degree days	Egg	Flow-through	Measured	Fresh water	Lab	NR	300	Degree days	NR	Biochemistry	Calcium content	Whole organism	Total	0.2243528	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45197	Embryonic and Larval Development of Brown Trout, Salmo trutta L.: Exposure to Trace Metal Mixtures in Soft Water	J. Fish Biol.38:773-787	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Degree days	Egg	Flow-through	Measured	Fresh water	Lab	NR	300	Degree days	NR	Biochemistry	Magnesium (Mg) content	Whole organism	Total	0.2243528	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45197	Embryonic and Larval Development of Brown Trout, Salmo trutta L.: Exposure to Trace Metal Mixtures in Soft Water	J. Fish Biol.38:773-787	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Degree days	Egg	Flow-through	Measured	Fresh water	Lab	NR	300	Degree days	NR	Biochemistry	Sodium content	Whole organism	Total	0.2243528	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45197	Embryonic and Larval Development of Brown Trout, Salmo trutta L.: Exposure to Trace Metal Mixtures in Soft Water	J. Fish Biol.38:773-787	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fry	Flow-through	Measured	Fresh water	Lab	NR	3.3333	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45198	Effects of Six Trace Metals on Calcium Fluxes in Brown Trout (Salmo trutta L.) in Soft Water	J. Comp. Physiol., B Biochem. Syst. Environ. Physiol.:537-542	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NR	Biochemistry	General biochemical effect	Whole organism	Total	0.04436355	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NR	Mortality	Survival	Not reported	Total	0.04436355	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NR	Development	Normal	Fin	Total	0.04436355	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Degree days	Egg	Flow-through	Measured	Fresh water	Lab	NR	300	Degree days	NR	Mortality	Survival	Not reported	Total	0.2243528	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45197	Embryonic and Larval Development of Brown Trout, Salmo trutta L.: Exposure to Trace Metal Mixtures in Soft Water	J. Fish Biol.38:773-787	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	<=7	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NR	Development	Normal	Fin	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab	2	30	Day(s)	NR	Mortality	Survival	Not reported	Total	0.05323626	AI mg/L	Reader,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	45256	The Effects of Eight Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1989	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	10	Stage	Blastula	Renewal	Measured	Fresh water	Lab	6	7	Day(s)	NR	Morphology	Size	Eye	Total	NR	AI mg/L	Chen,P.J., W.L. Wu, and K.C.W. Wu	164289	The Zerovalent Iron Nanoparticle Causes Higher Developmental Toxicity than Its Oxidation Products in Early Life Stages of Medaka Fish	Water Res.47:3899-3909	2013	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fry	Flow-through	Measured	Fresh water	Lab	NR	3.3333	Day(s)	NR	Physiology	Flux, across membranes	Not reported	Total	NR	AI mg/L	Sayer,M.D.J., J.P. Reader, and R. Morris	45198	Effects of Six Trace Metals on Calcium Fluxes in Brown Trout (Salmo trutta L.) in Soft Water	J. Comp. Physiol., B Biochem. Syst. Environ. Physiol.:537-542	1991	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Sperm	Static	Measured	Fresh water	Lab	NR	0.0279	Day(s)	NR	Reproduction	Reproduction, general	Not reported	Total	<0.005	AI mg/L	Billard,R., and P. Roubaud	10552	The Effect of Metals and Cyanide on Fertilization in Rainbow Trout (Salmo gairdneri)	Water Res.19(2): 209-214	1985	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Oocyte, ova	Static	Measured	Fresh water	Lab	NR	0.0279	Day(s)	NR	Reproduction	Reproduction, general	Not reported	Total	0.73	AI mg/L	Billard,R., and P. Roubaud	10552	The Effect of Metals and Cyanide on Fertilization in Rainbow Trout (Salmo gairdneri)	Water Res.19(2): 209-214	1985	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Static	Measured	Fresh water	Lab	NR	10	Day(s)	NR	Reproduction	Reproduction, general	Not reported	Total	0.08	AI mg/L	Billard,R., and P. Roubaud	10552	The Effect of Metals and Cyanide on Fertilization in Rainbow Trout (Salmo gairdneri)	Water Res.19(2): 209-214	1985	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Sperm	Static	Measured	Fresh water	Lab	NR	0.0279	Day(s)	NR	Reproduction	Reproduction, general	Not reported	Total	0.73	AI mg/L	Billard,R., and P. Roubaud	10552	The Effect of Metals and Cyanide on Fertilization in Rainbow Trout (Salmo gairdneri)	Water Res.19(2): 209-214	1985	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	LOEC	Biochemistry	Adenosine phosphates (AMP+ADP+ATP)	Root	Total	1267.53	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: species
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NOEC	Biochemistry	Adenosine phosphates (AMP+ADP+ATP)	Rhizome	Total	1267.53	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: species
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NOEC	Biochemistry	Adenosine phosphates (AMP+ADP+ATP)	Root	Total	126.753	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: species
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NOEC	Physiology	Adenylate energy charges (AEC)	Rhizome	Total	1267.53	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: species
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NOEC	Physiology	Adenylate energy charges (AEC)	Root	Total	1267.53	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: species
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NR	Physiology	Respiration	Multiple tissue/organ	Total	NR	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NR	Accumulation	Residue	Multiple tissue/organ	Total	NR	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Phragmites australis	Grass	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	3	6	Day(s)	NR	Biochemistry	Malondialdehyde	Multiple tissue/organ	Total	NR	AI mg/L	Furtig,K., D. Pavelic, C. Brunold, and R. Brandle	66169	Copper- and Iron-Induced Injuries in Roots and Rhizomes of Reed (Phragmites australis)	Limnologica29(1): 60-63	1999	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Growth	Growth, general	Not reported	Total	5	AI mg/L	Bovee,E.C., D.A. Kegley, D. Sternshein, E. Wyttenbach, and B.L. Bergquist	2740	Alleviation of the Toxicity of Copper to Tetrahymena pyriformis by Nontoxic	Univ.Kans.Sci.Bull.51(24): 679-684	1979	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Biochemistry	General biochemical effect	Not reported	Total	NR	AI mg/L	Sunda,W.G.	4603	Neritic-Oceanic Trends in Trace-Metal Toxicity to Phytoplankton Communities	In: J.M.Capuzzo and D.R.Kester (Eds.), Oceanic Processes in Marine Pollution, Biol.Processes and Wastes in the Ocean, Robert E.Krieger Publ.Co., Malabar, FL1:19-29	1987	Drop: endpoint
7758943	Iron chloride (FeCl2)	Not reported	NR	Myxicola infundibulum	Polychaete Worm	Worms	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	<1	Day(s)	NR	Avoidance	Chemical avoidance	Not reported	Total	2.788566	AI mg/L	Ward,J.A.	2867	Chemoreception of Heavy Metals by the Polychaetous Annelid Myxicola infundibulum (Sabellidae)	Comp. Biochem. Physiol. C Comp. Pharmacol.58(2): 103-106	1977	Drop: endpoint
7758943	Iron chloride (FeCl2)	Analytical grade	NR	Tubifex tubifex	Tubificid Worm	Worms; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Total	NR	AI mg/L	Chen,T., A. Furst, and P.K. Chien	14813	The Effects of Cadmium and Iron on Catalase Activities in Tubifex	J. Am. Coll. Toxicol.13(2): 112-120	1994	Drop: endpoint
7782630	Sulfuric acid, Iron(2+) salt (1:1), Heptahydrate	Not coded	98.8	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Fresh water	Lab	NC	2	Day(s)	EC50	Intoxication	Immobile	Not coded	Not coded	7.1	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: duration
7782630	Sulfuric acid, Iron(2+) salt (1:1), Heptahydrate	Not coded	98.8	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not coded	Static	Not coded	Fresh water	Lab	NC	2	Day(s)	NOEL	Intoxication	Immobile	Not coded	Not coded	<5.2	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: concentration
7782630	Sulfuric acid, Iron(2+) salt (1:1), Heptahydrate	Not coded	98.8	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	51.2	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: duration
7782630	Sulfuric acid, Iron(2+) salt (1:1), Heptahydrate	Not coded	98.8	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	35.5	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: duration
7782630	Sulfuric acid, Iron(2+) salt (1:1), Heptahydrate	Not coded	98.8	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	20.8	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: duration
7782630	Sulfuric acid, Iron(2+) salt (1:1), Heptahydrate	Not coded	98.8	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NC	Not coded	Not coded	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	NOEL	Mortality	Mortality	Not coded	Not coded	3.3	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: duration
8075749	Lignosulfonic acid, Chromium iron salt	Not reported	NR	Palaemonetes pugio	Daggerblade Grass Shrimp	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	4	Day(s)	NR	Histology	Histological changes, general	Hepatopancreas	Total	NR	AI mg/L	U.S. Environmental Protection Agency	49012	Semi-Annual Report. April -September 1976	Semi-Annual Rep., U.S.EPA, Gulf Breeze, FL:51 p.	1976	Drop: chemical
8075749	Lignosulfonic acid, Chromium iron salt	Not reported	NR	Palaemonetes pugio	Daggerblade Grass Shrimp	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	4	Day(s)	NR	Behavior	Distance moved, change in direct movement	Not reported	Total	NR	AI mg/L	U.S. Environmental Protection Agency	49012	Semi-Annual Report. April -September 1976	Semi-Annual Rep., U.S.EPA, Gulf Breeze, FL:51 p.	1976	Drop: chemical
8075749	Lignosulfonic acid, Chromium iron salt	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1530	AI mg/L	Falk,M.R., and M.J. Lawrence	6215	Acute Toxicity of Petrochemical Drilling Fluids Components and Wastes to Fish	Tech.Rep.Ser.No.CEN T-73-1, Can.Dep.of the Environ., Fish.and Mar.Serv.Resour.Manag.Branch, Winnipeg, Manitoba, Canada:112 p.	1973	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
8075749	Lignosulfonic acid, Chromium iron salt	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1500	AI mg/L	Sprague,J.B., and W.J. Logan	869	Separate and Joint Toxicity to Rainbow Trout of Substances Used in Drilling Fluids for Oil Exploration	Environ. Pollut.19(4): 269-281	1979	Drop: chemical
9007732	Ferritin	Not reported	NR	Mytilus edulis	Common Bay Mussel,Blue Mussel	Molluscs; Standard Test Species	NR	Not reported	Mature	Renewal	Unmeasured	Salt water	Lab	NR	25	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Formulation	1	AI mg/L	George,S.G., B.J.S. Pirie, and T.L. Coombs	7952	Absorption, Accumulation and Excretion of Iron-Protein Complexes by Mytilus edulis (L.)	In: Int.Conf.on Heavy Metals in the Environment, Symp.Proc., Inst.for Environ.Stud., Univ.of Toronto, Ont., Canada2(2): 887-900	1975	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Cyanophycota	Blue-Green Algae Phylum	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	14	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Cryptomonas sp.	Cryptomonad	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Chlorophyta	Green Algae Division	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Ceratium sp.	Dinoflagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Chrysophyta	Golden Brown Algae Division	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Oscillatoria amphibia	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	5.6	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Anacystis flosaquae	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	10	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Coelastrum microporum	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	1.4	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Coelastrum microporum	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	1.8	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Anacystis flosaquae	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	5.6	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Oscillatoria amphibia	Blue-Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	10	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Scenedesmus opoliensis	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	10	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Scenedesmus opoliensis	Green Algae	Algae; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Cell(s)	Cell changes	Not reported	Total	5.6	AI mg/L	El Ayouty,E.Y., A.I. Khalil, M.M. Ishak, and E.A. Ibrahim	6457	Effect of 2,4-D, Iron, Mercury and Bayluscide on the Cellular Structure of Microcystis flos-aquae, Oscillatoria amphibia, Coelastrum microporum and	Egypt. J. Bot.21(2): 121-130	1978	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	183	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	124	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Keep
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Crangonyx pseudogracilis	Amphipod	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	160	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Crangonyx pseudogracilis	Amphipod	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	120	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Keep
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Asellus aquaticus	Aquatic Sowbug	Crustaceans	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50*	Intoxication	Immobile	Not reported	Total	120	AI mg/L	Martin,T.R., and D.M. Holdich	11972	The Acute Lethal Toxicity of Heavy Metals to Peracarid Crustaceans (with Particular Reference to Fresh-Water Asellids and Gammarids)	Water Res.20(9): 1137-1147	1986	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Daphnia longispina	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	6	21	Day(s)	ED50	Reproduction	Reproductive success (general)	Not reported	Total	4.49	AI mg/L	Randall,S., D. Harper, and B. Brierley	102131	Ecological and Ecophysiological Impacts of Ferric Dosing in Reservoirs	Hydrobiologia395-396:355-364	1999	Drop: for MATC
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Daphnia longispina	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	2	Day(s)	ED50	Mortality	Mortality	Not reported	Total	11.48	AI mg/L	Randall,S., D. Harper, and B. Brierley	102131	Ecological and Ecophysiological Impacts of Ferric Dosing in Reservoirs	Hydrobiologia395-396:355-364	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Not reported	Egg	Static	Unmeasured	Salt water	Lab	7	3	Day(s)	LOEL	Mortality	Hatch	Not reported	Total	5	AI mg/L	Saliba,L.J., and R.M. Krzyz	15926	Effect of Heavy Metals on Hatching of Brine-Shrimp Eggs	Mar. Pollut. Bull.7(10): 181-182	1976	Drop: saltwater
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Cladocera	Water Flea Order	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	14	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Daphnia longispina	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	6	21	Day(s)	LOEL	Mortality	Mortality	Not reported	Total	3	AI mg/L	Randall,S., D. Harper, and B. Brierley	102131	Ecological and Ecophysiological Impacts of Ferric Dosing in Reservoirs	Hydrobiologia395-396:355-364	1999	Drop: for MATC
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Daphnia longispina	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	2	Day(s)	LOEL	Mortality	Mortality	Not reported	Total	10	AI mg/L	Randall,S., D. Harper, and B. Brierley	102131	Ecological and Ecophysiological Impacts of Ferric Dosing in Reservoirs	Hydrobiologia395-396:355-364	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Daphnia longispina	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	6	21	Day(s)	NOEL	Mortality	Mortality	Not reported	Total	2	AI mg/L	Randall,S., D. Harper, and B. Brierley	102131	Ecological and Ecophysiological Impacts of Ferric Dosing in Reservoirs	Hydrobiologia395-396:355-364	1999	Drop: for MATC
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Maxillopoda	Crustacean Class	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Daphnia longispina	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	9	2	Day(s)	NOEL	Mortality	Mortality	Not reported	Total	8	AI mg/L	Randall,S., D. Harper, and B. Brierley	102131	Ecological and Ecophysiological Impacts of Ferric Dosing in Reservoirs	Hydrobiologia395-396:355-364	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Diaptomus siciloides	Copepod	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Cyclopoida	Copepod Order	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Artemia salina	Brine Shrimp	Crustaceans	NR	Not reported	Egg	Static	Unmeasured	Salt water	Lab	7	3	Day(s)	NOEL	Mortality	Hatch	Not reported	Total	1	AI mg/L	Saliba,L.J., and R.M. Krzyz	15926	Effect of Heavy Metals on Hatching of Brine-Shrimp Eggs	Mar. Pollut. Bull.7(10): 181-182	1976	Drop: saltwater
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analytical or technical grade	NR	Ptychocheilus oregonensis	Northern Squawfish	Fish	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	>=6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	54.77	AI mg/L	Beleau,M.H., and J.A. Bartosz	86404	Colorado River Fisheries Project Acute Toxicity of Selected Chemicals: Data	In: Rep.No.6,Dep.of Fish.Resour.,Univ.of Idaho,Moscow,ID:243-254	1982	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analytical or technical grade	NR	Ptychocheilus oregonensis	Northern Squawfish	Fish	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	>=6	4	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	100	AI mg/L	Beleau,M.H., and J.A. Bartosz	86404	Colorado River Fisheries Project Acute Toxicity of Selected Chemicals: Data	In: Rep.No.6,Dep.of Fish.Resour.,Univ.of Idaho,Moscow,ID:243-254	1982	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analytical or technical grade	NR	Ptychocheilus oregonensis	Northern Squawfish	Fish	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	>=6	4	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	30	AI mg/L	Beleau,M.H., and J.A. Bartosz	86404	Colorado River Fisheries Project Acute Toxicity of Selected Chemicals: Data	In: Rep.No.6,Dep.of Fish.Resour.,Univ.of Idaho,Moscow,ID:243-254	1982	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	28	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analar grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	47	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analar grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	2	3	Day(s)	LOEL	Accumulation	Residue	Gill(s)	Total	10.97	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	2	3	Day(s)	LOEL	Accumulation	Residue	Gill(s)	Total	12.31	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Commercial grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	2	14	Day(s)	NOEL	Accumulation	Residue	Gill(s)	Total	7.4	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analar grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	NOEL	Accumulation	Residue	Gill(s)	Total	42.4	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analar grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	2	14	Day(s)	NOEL	Accumulation	Residue	Gill(s)	Total	6.7	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	NOEL	Accumulation	Residue	Gill(s)	Total	36.9	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Analar grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	2	14	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	6.7	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Commercial grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Fingerling	Flow-through	Measured	Fresh water	Lab	2	14	Day(s)	NR-ZERO	Mortality	Mortality	Not reported	Total	7.4	AI mg/L	Dalzell,D.J.B., and N.A.A. MacFarlane	48510	The Toxicity of Iron to Brown Trout and Effects on the Gills: A Comparison of Two Grades of Iron Sulphate	J. Fish Biol.55(2): 301-315	1999	Drop: endpoint
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	133	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	133	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	133	AI mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	508	Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Plantae	Plant Kingdom	Flowers, Trees, Shrubs, Ferns	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	14	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Invertebrates	Invertebrates	Invertebrates	NR	Not reported	Nauplii	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Asplanchna sp.	Rotifer	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	14	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Rotifera	Rotifer Phylum	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	14	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Cryptosporidium parvum	Protozoan	Invertebrates	NR	Not reported	Cyst	Static	Unmeasured	Fresh water	Lab	2	0.0417	Day(s)	LOEL	Mortality	Mortality	Not reported	Total	5	%	Robertson,L.J., A.T. Campbell, and H.V. Smith	102132	Survival of Cryptosporidium parvum Oocysts Under Various Environmental Pressures	Appl. Environ. Microbiol.58(11): 3494-3500	1992	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Cryptosporidium parvum	Protozoan	Invertebrates	NR	Not reported	Cyst	Static	Unmeasured	Fresh water	Lab	3	0.2083	Day(s)	LOEL	Mortality	Mortality	Not reported	Total	3.5	AI mg/L	Robertson,L.J., A.T. Campbell, and H.V. Smith	102132	Survival of Cryptosporidium parvum Oocysts Under Various Environmental Pressures	Appl. Environ. Microbiol.58(11): 3494-3500	1992	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Invertebrates	Invertebrates	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	LOEL	Population	Biomass	Not reported	Total	90	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Monogononta	Rotifer Subclass	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	LOEL	Population	Biomass	Not reported	Total	23.5	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	12	Invertebrates	Invertebrates	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Field artificial	4	28	Day(s)	NOEL	Population	Biomass	Not reported	Total	45	ml	Holz,J.C., and K.D. Hoagland	102128	Experimental Microcosm Study of the Effects of Phosphorus Reduction on Plankton Community Structure	Can. J. Fish. Aquat. Sci.53(8): 1754-1764	1996	Drop: test
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Cryptosporidium parvum	Protozoan	Invertebrates	NR	Not reported	Cyst	Static	Unmeasured	Fresh water	Lab	3	0.2083	Day(s)	NOEL	Mortality	Mortality	Not reported	Total	16	AI mg/L	Robertson,L.J., A.T. Campbell, and H.V. Smith	102132	Survival of Cryptosporidium parvum Oocysts Under Various Environmental Pressures	Appl. Environ. Microbiol.58(11): 3494-3500	1992	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	420	AI mg/L	Rawi,S.M., M. Al-Hazmi, and F.S. Al-Nassr	168775	Comparative Study of the Molluscicidal Activity of Some Plant Extracts on the Snail Vector of Schistosoma mansoni, Biomphalaria alexandrina	Int. J. Zool. Res.7(2): 169-189	2011	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC90	Mortality	Mortality	Not reported	Total	500	AI mg/L	Rawi,S.M., M. Al-Hazmi, and F.S. Al-Nassr	168775	Comparative Study of the Molluscicidal Activity of Some Plant Extracts on the Snail Vector of Schistosoma mansoni, Biomphalaria alexandrina	Int. J. Zool. Res.7(2): 169-189	2011	Drop: duration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LOEC	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Rawi,S.M., M. Al-Hazmi, and F.S. Al-Nassr	168775	Comparative Study of the Molluscicidal Activity of Some Plant Extracts on the Snail Vector of Schistosoma mansoni, Biomphalaria alexandrina	Int. J. Zool. Res.7(2): 169-189	2011	Drop: concentration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	A.R. grade (Analytical Reagent grade)	NR	Saccostrea glomerata	Rock Oyster	Molluscs	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Development	Developmental changes, general	Not reported	Total	0.2	AI mg/L	Wilson,S.P., and R.V. Hyne	18330	Toxicity of Acid-Sulfate Soil Leachate and Aluminum to Embryos of the Sydney Rock Oyster	Ecotoxicol. Environ. Saf.37:30-36	1997	Drop: saltwater
10028225	Sulfuric acid, Iron(3+) salt (3:2)	A.R. grade (Analytical Reagent grade)	NR	Saccostrea glomerata	Rock Oyster	Molluscs	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LOEC	Development	Developmental changes, general	Not reported	Total	0.2	AI mg/L	Wilson,S.P., and R.V. Hyne	18330	Toxicity of Acid-Sulfate Soil Leachate and Aluminum to Embryos of the Sydney Rock Oyster	Ecotoxicol. Environ. Saf.37:30-36	1997	Drop: saltwater
10028225	Sulfuric acid, Iron(3+) salt (3:2)	Not reported	NR	Biomphalaria alexandrina	Snail	Molluscs	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NOEC	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Rawi,S.M., M. Al-Hazmi, and F.S. Al-Nassr	168775	Comparative Study of the Molluscicidal Activity of Some Plant Extracts on the Snail Vector of Schistosoma mansoni, Biomphalaria alexandrina	Int. J. Zool. Res.7(2): 169-189	2011	Drop: concentration
10028225	Sulfuric acid, Iron(3+) salt (3:2)	A.R. grade (Analytical Reagent grade)	NR	Saccostrea glomerata	Rock Oyster	Molluscs	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	NOEC	Development	Developmental changes, general	Not reported	Total	0.15	AI mg/L	Wilson,S.P., and R.V. Hyne	18330	Toxicity of Acid-Sulfate Soil Leachate and Aluminum to Embryos of the Sydney Rock Oyster	Ecotoxicol. Environ. Saf.37:30-36	1997	Drop: saltwater
10028225	Sulfuric acid, Iron(3+) salt (3:2)	A.R. grade (Analytical Reagent grade)	NR	Saccostrea glomerata	Rock Oyster	Molluscs	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	NOEC	Development	Developmental changes, general	Not reported	Total	0.1	AI mg/L	Wilson,S.P., and R.V. Hyne	18330	Toxicity of Acid-Sulfate Soil Leachate and Aluminum to Embryos of the Sydney Rock Oyster	Ecotoxicol. Environ. Saf.37:30-36	1997	Drop: saltwater
10045893	Sulfuric acid, Ammonium iron (2+) salt (2:2:1)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	315	AI mg/L	Dorfman,D.	3731	Tolerance of Fundulus heteroclitus to Different Metals in Salt Waters	Bull. N. J. Acad. Sci.22(2): 21-23	1977	Drop: chemical
10045893	Sulfuric acid, Ammonium iron (2+) salt (2:2:1)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	39	AI mg/L	Dorfman,D.	3731	Tolerance of Fundulus heteroclitus to Different Metals in Salt Waters	Bull. N. J. Acad. Sci.22(2): 21-23	1977	Drop: chemical
10045893	Sulfuric acid, Ammonium iron (2+) salt (2:2:1)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	77	AI mg/L	Dorfman,D.	3731	Tolerance of Fundulus heteroclitus to Different Metals in Salt Waters	Bull. N. J. Acad. Sci.22(2): 21-23	1977	Drop: chemical
10045893	Sulfuric acid, Ammonium iron (2+) salt (2:2:1)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	49.5	AI mg/L	Dorfman,D.	3731	Tolerance of Fundulus heteroclitus to Different Metals in Salt Waters	Bull. N. J. Acad. Sci.22(2): 21-23	1977	Drop: chemical
10045893	Sulfuric acid, Ammonium iron (2+) salt (2:2:1)	Not reported	NR	Fundulus heteroclitus	Mummichog	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	315	AI mg/L	Dorfman,D.	3731	Tolerance of Fundulus heteroclitus to Different Metals in Salt Waters	Bull. N. J. Acad. Sci.22(2): 21-23	1977	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Deaths	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
120-80-9	Non-chloride	Not reported	NR	Ambystoma jeffersonianum	Jefferson's Salamander	Amphibians	NR	Not reported	Egg	Static	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Mortality	Hatch	Not reported	Dissolved	NR	20	mg/L	Hanna,M.T., and W.A. Dunson	1821	Toxicity of Metals and Low pH to Embryos and Larvae of the Jefferson Salamander, Ambystoma	Arch. Environ. Contam. Toxicol.29(1): 116-124	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Ambystoma jeffersonianum	Jefferson's Salamander	Amphibians	NR	Not reported	Egg	Static	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Behavior	Behavioral changes, general	Not reported	Dissolved	NR	20	mg/L	Hanna,M.T., and W.A. Dunson	1821	Toxicity of Metals and Low pH to Embryos and Larvae of the Jefferson Salamander, Ambystoma	Arch. Environ. Contam. Toxicol.29(1): 116-124	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Ambystoma jeffersonianum	Jefferson's Salamander	Amphibians	NR	168	Day(s)	Larva	Static	Measured	Fresh water	Lab	NR	NR	10	Day(s)	NR	Mortality	Mortality	Not reported	Total		0.03	0.44	mg/L	Hanna,M.T., and W.A. Dunson	1821	Effects of Low pH, Metals, and Water Hardness on Larval Amphibians	Arch. Environ. Contam. Toxicol.29(4): 500-507	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Ambystoma jeffersonianum	Jefferson's Salamander	Amphibians	NR	Not reported	Egg	Static	Unmeasured	Fresh water	Lab	NR	21	Day(s)	NR	Behavior	Behavioral changes, general	Not reported	Dissolved	NR	20	mg/L	Hanna,M.T., and W.A. Dunson	1821	Toxicity of Metals and Low pH to Embryos and Larvae of the Jefferson Salamander, Ambystoma	Arch. Environ. Contam. Toxicol.29(1): 116-124	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Ambystoma jeffersonianum	Jefferson's Salamander	Amphibians	NR	168	Day(s)	Larva	Static	Measured	Fresh water	Lab	NR	NR	10	Day(s)	NR	Mortality	Mortality	Not reported	Total		0.03	0.44	mg/L	Hanna,M.T., and W.A. Dunson	1821	Effects of Low pH, Metals, and Water Hardness on Larval Amphibians	Arch. Environ. Contam. Toxicol.29(4): 500-507	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Lithobates sphaticus	Wood Frog	Amphibians; Standard Test Species	NR	168	Day(s)	Larva	Static	Measured	Fresh water	Lab	NR	NR	10	Day(s)	NR	Mortality	Mortality	Not reported	Total		0.03	0.44	mg/L	Hanna,M.T., and W.A. Dunson	1821	Effects of Low pH, Metals, and Water Hardness on Larval Amphibians	Arch. Environ. Contam. Toxicol.29(4): 500-507	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Lithobates sphaticus	Wood Frog	Amphibians; Standard Test Species	NR	168	Day(s)	Larva	Static	Measured	Fresh water	Lab	NR	NR	10	Day(s)	NR	Mortality	Mortality	Not reported	Total		0.03	0.44	mg/L	Hanna,M.T., and W.A. Dunson	1821	Effects of Low pH, Metals, and Water Hardness on Larval Amphibians	Arch. Environ. Contam. Toxicol.29(4): 500-507	1995	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Artemia sp.	Brine Shrimp	Crustaceans	NR	Not reported	Nauplii	Static	Unmeasured	Salt water	Lab	NR	24	Day(s)	NR	Mortality	Mortality	Not reported	Total		1700	mg/L	Djajkhya,S.N., and R. Hirota	1770	Toxicity of Heavy Metals to Brine Shrimp Artemia	Indian Fish. Assoc.20:49-50	1990	Drop: saltwater
120-80-9	Non-chloride	Not reported	NR	Artemia sp.	Brine Shrimp	Crustaceans	NR	Not reported	Nauplii	Static	Unmeasured	Salt water	Lab	NR	24	Day(s)	1700	Mortality	Mortality	Not reported	Total		38.4	mg/L	Djajkhya,S.N., and R. Hirota	1770	Toxicity of Heavy Metals to Brine Shrimp Artemia	Indian Fish. Assoc.20:49-50	1990	Drop: saltwater
120-80-9	Non-chloride	Not reported	NR	Artemia sp.	Brine Shrimp	Crustaceans	NR	Not reported	Nauplii	Static	Unmeasured	Salt water	Lab	NR	24	Day(s)	NR-1770	Mortality	Mortality	Not reported	Total	>80	NR	mg/L	Djajkhya,S.N., and R. Hirota	1770	Toxicity of Heavy Metals to Brine Shrimp Artemia	Indian Fish. Assoc.20:49-50	1990	Drop: saltwater
120-80-9	Non-chloride	Not reported	NR	Cancer anthonyi	Yellow Rock Crab	Crustaceans	NR	Not reported	Embryo	Renewal	Unmeasured	Salt water	Lab	NR	7	Day(s)	NR	Mortality	Mortality	Not reported	Total		1000	mg/L	MacDonald,J.M., J.D. Shields, and R.K. Zimmer-Faust	1181	Acute Toxicities of Eleven Metals to Early Life History Stages of the Yellow Crab Cancer anthonyi	Mar. Biol.98(2): 201-207	1988	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Cancer anthonyi	Yellow Rock Crab	Crustaceans	NR	Not reported	Embryo	Renewal	Unmeasured	Salt water	Lab	NR	7	Day(s)	NR	Mortality	Hatch	Not reported	Total		10	mg/L	MacDonald,J.M., J.D. Shields, and R.K. Zimmer-Faust	1181	Acute Toxicities of Eleven Metals to Early Life History Stages of the Yellow Crab Cancer anthonyi	Mar. Biol.98(2): 201-207	1988	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Perseus mancolon	Sunbo Tiger Prawn	Crustaceans		50	Day(s)	Juvenile	Renewal	Unmeasured	Salt water	Lab	NR	NR	50	Day(s)	NR	Accumulation	Accumulation, general	Multiple tissue/organ	Total		4.54	mg/L	Vigil,D., and R.T. Quintito	3835	Copper, Lead, Iron and Calcium Concentrations in Tissues of the Prawn, Perseus manolon, Exposed to Water-Borne Copper	Aquat. Toxicol.28(3-4): 223-241	1994	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Cancer anthonyi	Yellow Rock Crab	Crustaceans	NR	Not reported	Embryo	Renewal	Unmeasured	Salt water	Lab	NR	7	Day(s)	NR	Mortality	Hatch	Not reported	Total		5.6	mg/L	MacDonald,J.M., J.D. Shields, and R.K. Zimmer-Faust	1181	Acute Toxicities of Eleven Metals to Early Life History Stages of the Yellow Crab Cancer anthonyi	Mar. Biol.98(2): 201-207	1988	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Cancer anthonyi	Yellow Rock Crab	Crustaceans	NR	Not reported	Embryo	Renewal	Unmeasured	Salt water	Lab	NR	7	Day(s)	NR	Mortality	Mortality	Not reported	Total		100	mg/L	MacDonald,J.M., J.D. Shields, and R.K. Zimmer-Faust	1181	Acute Toxicities of Eleven Metals to Early Life History Stages of the Yellow Crab Cancer anthonyi	Mar. Biol.98(2): 201-207	1988	Drop: endpoint
120-80-9	Non-chloride	Analytical grade	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	1	Day(s)	NTXC	Mortality	Mortality	Not reported	Total		18.6	mg/L	Kovacs J., and M. Wilenpaa	1677	Acute Toxicity of Complex Formulations to Daphnia magna	Chemosphere33(6): 1119-1127	1996	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	1700	Mortality	Mortality	Not reported	Total		4.6	mg/L	Lee,D.R.	1692	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA-108 p.	1975	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	1700	Mortality	Mortality	Not reported	Total		4.6	mg/L	Lee,D.R.	1692	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA-108 p.	1975	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	1700	Mortality	Mortality	Not reported	Total		10.2	mg/L	Lee,D.R.	1692	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA-108 p.	1975	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	5	Day(s)	1700	Mortality	Mortality	Not reported	Total		6.45	mg/L	Lee,D.R.	1692	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA-108 p.	1975	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	1700	Mortality	Mortality	Not reported	Total		13.5	mg/L	Lee,D.R.	1692	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA-108 p.	1975	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Heart	Total		9.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Testes	Total		9.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	28	Day(s)	BCF	Accumulation	Residue	Testes	Total		18.6	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Heart	Total		18.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Brain	Total		20.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Muscle	Total		20.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	28	Day(s)	BCF	Accumulation	Residue	Testes	Total		25.2	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Brain	Total		9.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Heart	Total		20.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Muscle	Total		19.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	28	Day(s)	BCF	Accumulation	Residue	Testes	Total		33.6	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Liver	Total		9.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Kidney	Total		8.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Heart	Total		1.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Muscle	Total		6.45	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Ovaries	Total		9.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	28	Day(s)	BCF	Accumulation	Residue	Brain	Total		18.6	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	28	Day(s)	BCF	Accumulation	Residue	Heart	Total		33.6	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Ovaries	Total		33.6	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Liver	Total		1.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Muscle	Total		19.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Testes	Total		1.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Liver	Total		20.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Ovaries	Total		1.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Liver	Total		19.8	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	28	Day(s)	BCF	Accumulation	Residue	Liver	Total		33.6	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Tilapia spermanni	Banded Bream	Fish	NR	Not reported	Adult	Flow-through	Measured	Fresh water	Lab	NR	3	Day(s)	BCF	Accumulation	Residue	Ovaries	Total		26.4	mg/L	Du Preez,H.H., E. Van Rensburg, and J.H.J. Van Vuren	4849	Preliminary Laboratory Investigation of the Bioconcentration of Zinc and Iron in Selected Tissues of the Banded Tilapia, Tilapia sparrmanni (Cichlidae)	Bull. Environ. Contam. Toxicol.50(5): 674-681	1993	Drop: endpoint
120-80-9	Non-chloride	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Mortality	Mortality	Not reported	Total		96.6	mg/L	Kanda,T., H. Murata, and A. Kurabi	1397	Toxicity of Removal Agents of Red Tide Plankton to the Fishes: - with Special Reference to the Toxicity of Hydrogen Peroxide, Iron Sulfate (II) and	Suisan Zoshoku47(3): 221-224	1999	Drop: saltwater
120-80-9	Non-chloride	Not reported	NR	Pagrus fusiformis	Ruby Snapfish	Fish	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	4	Day(s)	NTXC	Mortality	Mortality	Not reported	Total		48.8	mg/L	Kanda,T., H. Murata, and A. Kurabi	1397	Toxicity of Removal Agents of Red Tide Plankton to the Fishes: - with Special Reference to the Toxicity of Hydrogen Peroxide, Iron Sulfate (II) and	Suisan Zoshoku47(3): 221-224	1999	Drop: saltwater
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total		26.4	mg/L	Yuji,S., Y. Yonejge, Y. Ito, and S. Kaneli	1199	The Influence of Rearing Temperature on the Toxicity of Various Environmental Pollutants for Killfish (Oryzias latipes)	Jpn. J. Toxicol. Environ. Health32(1): 46-50	1986	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	LC50	Mortality	Mortality	Not reported	Total		15.5	mg/L	Yuji,S., Y. Yonejge, Y. Ito, and S. Kaneli	1199	The Influence of Rearing Temperature on the Toxicity of Various Environmental Pollutants for Killfish (Oryzias latipes)	Jpn. J. Toxicol. Environ. Health32(1): 46-50	1986	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	14	Day(s)	LC50	Mortality	Mortality	Not reported	Total		10.5	mg/L	Yuji,S., Y. Yonejge, Y. Ito, and S. Kaneli	1199	The Influence of Rearing Temperature on the Toxicity of Various Environmental Pollutants for Killfish (Oryzias latipes)	Jpn. J. Toxicol. Environ. Health32(1): 46-50	1986	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	21	Day(s)	LC50	Mortality	Mortality	Not reported	Total		9.5	mg/L	Yuji,S., Y. Yonejge, Y. Ito, and S. Kaneli	1199	The Influence of Rearing Temperature on the Toxicity of Various Environmental Pollutants for Killfish (Oryzias latipes)	Jpn. J. Toxicol. Environ. Health32(1): 46-50	1986	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	28	Day(s)	LC50	Mortality	Mortality	Not reported	Total		8.5	mg/L	Yuji,S., Y. Yonejge, Y. Ito, and S. Kaneli	1199	The Influence of Rearing Temperature on the Toxicity of Various Environmental Pollutants for Killfish (Oryzias latipes)	Jpn. J. Toxicol. Environ. Health32(1): 46-50	1986	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total		26.4	mg/L	Yuji,S., Y. Yonejge, Y. Ito, and S. Kaneli	1199	The Influence of Rearing Temperature on the Toxicity of Various Environmental Pollutants for Killfish (Oryzias latipes)	Jpn. J. Toxicol. Environ. Health32(1): 46-50	1986	Drop: duration
120-80-9	Non-chloride	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Biochemistry	General biochemical effect	Not reported	Total		10	mg/L	Sinha,S., M. Gupta, and P. Chandra	1877	Oxidative Stress Induced by Iron in Hydrilla verticillata (L.f.) Royle: Response of Antioxidants	Ecotoxicol. Environ. Saf.58(3): 288-295	1997	Drop: endpoint
120-80-9	Non-chloride	Analytical grade	NR	Hydrilla verticillata	Hydrilla	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	NR	Biochemistry	Chlorophyll	Not reported	Total	NR	0	mg/L	Sinha,S., M. Gupta, and P. Chandra	1877	Oxidative Stress Induced by Iron in Hydrilla verticillata (L.f.) Royle: Response of Antioxidants	Ecotoxicol. Environ. Saf.58(3): 288-295	1997	Drop: endpoint
120-80-9	Non-chloride	Analytical grade	NR	Hydrilla verticillata	Hydrilla	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	NR	Physiology	Physiology, general	Not reported	Total	NR	0	mg/L	Sinha,S., M. Gupta, and P. Chandra	1877	Oxidative Stress Induced by Iron in Hydrilla verticillata (L.f.) Royle: Response of Antioxidants	Ecotoxicol. Environ. Saf.58(3): 288-295	1997	Drop: endpoint

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
12040572	Iron chloride	Analytical grade	NR	Hydrilla verticillata	Hydrilla	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Total	NR	AI mg/L	Sinha,S., M. Gupta, and P. Chandra	18977	Oxidative Stress Induced by Iron in Hydrilla verticillata (l.f.) Royle: Response of Antioxidants	Ecotoxicol. Environ. Saf.38(3): 286-291	1997	Drop: endpoint
12040572	Iron chloride	Analytical grade	NR	Hydrilla verticillata	Hydrilla	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Total	NR	AI mg/L	Sinha,S., M. Gupta, and P. Chandra	18977	Oxidative Stress Induced by Iron in Hydrilla verticillata (l.f.) Royle: Response of Antioxidants	Ecotoxicol. Environ. Saf.38(3): 286-291	1997	Drop: endpoint
12040572	Iron chloride	Analytical grade	NR	Hydrilla verticillata	Hydrilla	Flowers, Trees, Shrubs, Ferns; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	7	Day(s)	NR	Physiology	Physiology, general	Not reported	Total	0.5	AI mg/L	Sinha,S., M. Gupta, and P. Chandra	18977	Oxidative Stress Induced by Iron in Hydrilla verticillata (l.f.) Royle: Response of Antioxidants	Ecotoxicol. Environ. Saf.38(3): 286-291	1997	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Corollospora maritima	Fungi	Fungi	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Biochemistry	General biochemical effect	Not reported	Total	0.05	uM	Pisanti,F.A., E. Aloj-Totaro, and V. Cuomo	15112	Effect of Heavy Metals on the Marine Mycete Corollospora maritima	Excerpta Med. Int. Congr. Ser.782:305-315	1988	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	<24	Hour(s)	Larva	Aquatic - not reported	Measured	Fresh water	Lab	NR	4	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	uM	Postma,J.F., M. Kyed, and W. Admiraal	18441	Site Specific Differentiation in Metal Tolerance in the Midge Chironomus riparius (Diptera, Chironomidae)	Hydrobiologia315(2): 159-165	1995	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Chironomus riparius	Midge	Insects/Spiders; Standard Test Species	<24	Hour(s)	Larva	Aquatic - not reported	Measured	Fresh water	Lab	NR	4	Day(s)	NR	Growth	Growth, general	Not reported	Total	NR	uM	Postma,J.F., M. Kyed, and W. Admiraal	18441	Site Specific Differentiation in Metal Tolerance in the Midge Chironomus riparius (Diptera, Chironomidae)	Hydrobiologia315(2): 159-165	1995	Drop: endpoint
12040572	Iron chloride	Not reported	>=98	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.0417	Day(s)	EC50	Biochemistry	Fluorescence	Not reported	Total	2.5	AI mg/L	Bogaerts,P., J. Senaud, and J. Bohatier	18353	Bioassay Technique Using Nonspecific Esterase Activities of Tetrahymena pyriformis for Screening and Assessing Cytotoxicity of Xenobiotics	Environ. Toxicol. Chem.17(8): 1600-1605	1998	Drop: duration
12040572	Iron chloride	Analytical grade	>98	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.375	Day(s)	IC50	Population	Population growth rate	Not reported	Total	260	AI mg/L	Sauvant,M.P., D. Pepin, C.A. Groliere, and J. Bohatier	14980	Effects of Organic and Inorganic Substances on the Cell Proliferation of L-929 Fibroblasts and Tetrahymena pyriformis GL Protozoa Used for Toxicological Bioassays	Bull. Environ. Contam. Toxicol.55(2): 171-178	1995	Drop: duration
12040572	Iron chloride	Analytical grade	>98	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.25	Day(s)	IC50	Population	Population growth rate	Not reported	Total	410	AI mg/L	Sauvant,M.P., D. Pepin, C.A. Groliere, and J. Bohatier	14980	Effects of Organic and Inorganic Substances on the Cell Proliferation of L-929 Fibroblasts and Tetrahymena pyriformis GL Protozoa Used for Toxicological Bioassays	Bull. Environ. Contam. Toxicol.55(2): 171-178	1995	Drop: duration
12040572	Iron chloride	Analytical grade	>98	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	IC50	Population	Population growth rate	Not reported	Total	422	AI mg/L	Sauvant,M.P., D. Pepin, C.A. Groliere, and J. Bohatier	14980	Effects of Organic and Inorganic Substances on the Cell Proliferation of L-929 Fibroblasts and Tetrahymena pyriformis GL Protozoa Used for Toxicological Bioassays	Bull. Environ. Contam. Toxicol.55(2): 171-178	1995	Drop: duration
12040572	Iron chloride	Not reported	>=98	Tetrahymena pyriformis	Ciliate	Invertebrates	NR	Not reported	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	0.0417	Day(s)	NR	Population	Abundance	Not reported	Total	20	AI mg/L	Bogaerts,P., J. Senaud, and J. Bohatier	18353	Bioassay Technique Using Nonspecific Esterase Activities of Tetrahymena pyriformis for Screening and Assessing Cytotoxicity of Xenobiotics	Environ. Toxicol. Chem.17(8): 1600-1605	1998	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Sphaerechinus granularis	Echinoderm	Invertebrates	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	~.2083	Day(s)	NR	Genetics	Genetics, general	Not reported	Total	0.00001	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Sphaerechinus granularis	Echinoderm	Invertebrates	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	~.2083	Day(s)	NR	Genetics	Genetics, general	Not reported	Total	NR	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Sphaerechinus granularis	Echinoderm	Invertebrates	NR	Not reported	Sperm	Static	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Physiology	Physiology, general	Not reported	Total	NR	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Invertebrates	Invertebrates	Invertebrates	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	9	Day(s)	NR	Feeding behavior	Food consumption	Not reported	Total	2	nM	Scharek,R., M.A. Van Leeuwe, and H.J.W. De Baar	19972	Responses of Southern Ocean Phytoplankton to the Addition of Trace Metals	Deep-Sea Res. Part I Oceanogr. Res. Pap.44(1-2): 209-227	1997	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Sphaerechinus granularis	Echinoderm	Invertebrates	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	~.2083	Day(s)	NR	Genetics	Genetics, general	Not reported	Total	NR	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Sphaerechinus granularis	Echinoderm	Invertebrates	NR	Not reported	Embryo	Static	Unmeasured	Salt water	Lab	NR	~.2083	Day(s)	NR	Genetics	Genetics, general	Not reported	Total	0.000001	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Arbacia punctulata	Purple-Spined Sea Urchin	Invertebrates; Standard Test Species	NR	Not reported	Blastula	Static	Unmeasured	Salt water	Lab	NR	0.5625	Day(s)	NR	Development	Developmental changes, general	Not reported	Total	NR	AI mg/L	Waterman,A.J.	17763	Effect of Salts of Heavy Metals on Development of the Sea Urchin, Arbacia punctulata	Biol. Bull.73(3): 401-420	1937	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Population	Chlorophyll A concentration	Not reported	Total	NR	nM	Scharek,R., M.A. Van Leeuwe, and H.J.W. De Baar	19972	Responses of Southern Ocean Phytoplankton to the Addition of Trace Metals	Deep-Sea Res. Part I Oceanogr. Res. Pap.44(1-2): 209-227	1997	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Accumulation	Uptake	Not reported	Total	2	nM	Scharek,R., M.A. Van Leeuwe, and H.J.W. De Baar	19972	Responses of Southern Ocean Phytoplankton to the Addition of Trace Metals	Deep-Sea Res. Part I Oceanogr. Res. Pap.44(1-2): 209-227	1997	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	1.3333	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Total	2.5	nM	Timmermans,K.R., W. Stolte, and H.J.W. De Baar	18926	Iron-Mediated Effects on Nitrate Reductase in Marine Phytoplankton	Mar. Biol.121(2): 389-396	1994	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	1.3333	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Total	2.5	nM	Timmermans,K.R., W. Stolte, and H.J.W. De Baar	18926	Iron-Mediated Effects on Nitrate Reductase in Marine Phytoplankton	Mar. Biol.121(2): 389-396	1994	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Plankton	Plankton	Miscellaneous	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	1.3333	Day(s)	NR	Enzyme(s)	Enzyme activity	Not reported	Total	2.5	nM	Timmermans,K.R., W. Stolte, and H.J.W. De Baar	18926	Iron-Mediated Effects on Nitrate Reductase in Marine Phytoplankton	Mar. Biol.121(2): 389-396	1994	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Aquatic Community	Aquatic Community	Miscellaneous	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	9	Day(s)	NR	Ecosystem process	Ecosystem processes, general	Not reported	Total	2	nM	Scharek,R., M.A. Van Leeuwe, and H.J.W. De Baar	19972	Responses of Southern Ocean Phytoplankton to the Addition of Trace Metals	Deep-Sea Res. Part I Oceanogr. Res. Pap.44(1-2): 209-227	1997	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	22	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	34	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	20	Day(s)	BCF	Accumulation	Residue	Shell	Total	30	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	41	Day(s)	BCF	Accumulation	Residue	Shell	Total	5	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	10	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	29	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	41	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	5	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	22	Day(s)	BCF	Accumulation	Residue	Siphon	Total	34	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	22	Day(s)	BCF	Accumulation	Residue	Shell	Total	34	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	22	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	10	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	22	Day(s)	BCF	Accumulation	Residue	Shell	Total	10	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	22	Day(s)	BCF	Accumulation	Residue	Siphon	Total	12	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	15	Day(s)	BCF	Accumulation	Residue	Siphon	Total	28	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	18	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	9	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	8	Day(s)	BCF	Accumulation	Residue	Soft tissue	Total	4	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	6	Day(s)	BCF	Accumulation	Residue	Shell	Total	5	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	18	Day(s)	BCF	Accumulation	Residue	Whole organism	Total	2	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	39	Day(s)	BCF	Accumulation	Residue	Shell	Total	3	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	15	Day(s)	BCF	Accumulation	Residue	Shell	Total	5	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mya arenaria	Sand Gaper, Soft Shell Clam	Molluscs	NR	Not reported	Adult	Static	Measured	Salt water	Lab	NR	39	Day(s)	BCF	Accumulation	Residue	Multiple tissue/organ	Total	3	dpm/ml	Bologa,A.S.	4090	Uptake of 59Fe, 65Zn and 85Sr by Mytilus galloprovincialis and Mya arenaria from the Romanian Black Sea Shore	Cercet. Mar. (Rech. Mar.)17:285-295	1984	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Nucella lapillus	Atlantic Dogwinkle	Molluscs	NR	Not reported	Not reported	Renewal	Measured	Salt water	Lab	NR	50	Day(s)	NR	Accumulation	Accumulation, general	Not reported	Total	0.0033	AI mg/L	Young,M.L.	2731	The Roles of Food and Direct Uptake from Water in the Accumulation of Zinc and Iron in the Tissues of the Dogwhelk, Nucella lapillus (L.)	J. Exp. Mar. Biol. Ecol.30:315-325	1977	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	15	Minutes post-fertilization	Embryo	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Growth	Abnormal	Not reported	Total	0.00001	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Elliptio complanata	Mussel, Eastern Elliptio	Molluscs	NR	Not reported	Not reported	Intramuscular	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Multiple tissue/organ	Total	NR	uCi/mg	Hobden,D.J.	2728	Aspects of Iron Metabolism in a Freshwater Mussel	Can. J. Zool.48:83-86	1970	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Crassostrea cucullata	Oyster	Molluscs	NR	Not reported	Egg	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Development	Slowed, Retarded, Delayed or Non-development	Not reported	Total	NR	AI mg/L	Watling,H.R.	19908	Effects of Metals on the Development of Oyster Embryos	S. Afr. J. Sci.77(3): 134-135	1981	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Mytilus galloprovincialis	Mediterranean Mussel	Molluscs	15	Minutes post-fertilization	Embryo	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Growth	Abnormal	Not reported	Total	0.000003	M	Pagano,G., E. His, R. Beiras, A. De Biase, L.G. Korkina, M. Iaccarino, R. Oral, F. Quiniou, and M. Warnau	18439	Cytogenetic, Developmental, and Biochemical Effects of Aluminum, Iron, and Their Mixture in Sea Urchins and Mussels	Arch. Environ. Contam. Toxicol.31(4): 466-474	1996	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Crassostrea margaritacea	Oyster	Molluscs	NR	Not reported	Egg	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Development	Slowed, Retarded, Delayed or Non-development	Not reported	Total	NR	AI mg/L	Watling,H.R.	19908	Effects of Metals on the Development of Oyster Embryos	S. Afr. J. Sci.77(3): 134-135	1981	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Bulinus globosus	Freshwater Snail	Molluscs	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Tomasik,P., C.M. Magadza, S. Mhizha, A. Chirume, M.F. Zaranyika, and S. Muchiriri	16369	Metal-Metal Interactions in Biological Systems. Part IV. Freshwater Snail Bulinus globosus	Water Air Soil Pollut.83(1/2): 123-145	1995	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Littorina obtusata	Round Periwinkle	Molluscs	NR	Not reported	Not reported	Renewal	Unmeasured	Salt water	Lab	NR	NR	Day(s)	NR	Accumulation	Accumulation, general	Multiple tissue/organ	Total	0.0033	AI mg/L	Young,M.L.	2272	The Transfer of Zn65 and Fe59 Along a Fucus serratus (L.)-Littorina obtusata (L.) Food Chain	J. Mar. Biol. Assoc. U.K.55(3): 583-610	1975	Drop: endpoint
12040572	Iron chloride	Not reported	NR	Crassostrea gigas	Pacific Oyster	Molluscs; Standard Test Species	NR	Not reported	Egg	Aquatic - not reported	Unmeasured	Salt water	Lab	NR	2	Day(s)	NR	Development	Slowed, Retarded, Delayed or Non-development	Not reported	Total	NR	AI mg/L	Watling,H.R.	19908	Effects of Metals on the Development of Oyster Embryos	S. Afr. J. Sci.77(3): 134-135	1981	Drop: endpoint
12040572	Iron chloride	Analytical grade	NR	Steinernema carpocapsae	Nematode	Worms	NR	Not reported	Juvenile	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Mortality	Mortality	Not reported	Total	NR	AI mg/L	Jaworska,M., J. Sepiol, and P. Tomasik	17002	Effect of Metal Ions Under Laboratory Conditions on the Entomopathogenic Steinernema carpocapsae (Rhabditida: Steinernematidae)	Water Air Soil Pollut.88(3-4): 331-341	1996	Drop: endpoint
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	7	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	4	7	Day(s)	LOEC	Population	Population changes, general	Not reported	Total	1	AI mg/L	National Association of Photographic Manufacturers	167113	Environmental Effect of Photoprocessing Chemicals Vol I and II	EPA/OTS Doc. #40-8469216:536 p.	1974	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pseudokirchneriella subcapitata	Green Algae	Algae; Standard Test Species	7	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	4	7	Day(s)	NOEC	Population	Population changes, general	Not reported	Total	0.1	AI mg/L	National Association of Photographic Manufacturers	167113	Environmental Effect of Photoprocessing Chemicals Vol I and II	EPA/OTS Doc. #40-8469216:536 p.	1974	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.18	AI mg/L	National Association of Photographic Manufacturers	167113	Environmental Effect of Photoprocessing Chemicals Vol I and II	EPA/OTS Doc. #40-8469216:536 p.	1974	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>1	AI mg/L	National Association of Photographic Manufacturers	167113	Environmental Effect of Photoprocessing Chemicals Vol I and II	EPA/OTS Doc. #40-8469216:536 p.	1974	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NOEC	Intoxication	Immobile	Not reported	Total	<600	AI mg/L	Anderson,B.G.	2130	The Toxicity Thresholds of Various Sodium Salts Determined by the Use of Daphnia magna	Sewage Works J.18(1): 82-87	1946	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	3	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Total	3	AI mg/L	National Association of Photographic Manufacturers	167113	Environmental Effect of Photoprocessing Chemicals Vol I and II	EPA/OTS Doc. #40-8469216:536 p.	1974	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	4	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	National Association of Photographic Manufacturers	167113	Environmental Effect of Photoprocessing Chemicals Vol I and II	EPA/OTS Doc. #40-8469216:536 p.	1974	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.1083	Day(s)	LT50	Mortality	Mortality	Not reported	Total	100	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.3042	Day(s)	LT50	Mortality	Mortality	Not reported	Total	10	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.2583	Day(s)	LT50	Mortality	Mortality	Not reported	Total	100	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.6042	Day(s)	LT50	Mortality	Mortality	Not reported	Total	100	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.2125	Day(s)	LT50	Mortality	Mortality	Not reported	Total	10	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	LT50	Mortality	Mortality	Not reported	Total	100	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2.625	Day(s)	LT50	Mortality	Mortality	Not reported	Total	10	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.5	Day(s)	LT50	Mortality	Mortality	Not reported	Total	10	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.1833	Day(s)	LT50	Mortality	Mortality	Not reported	Total	100	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.9917	Day(s)	LT50	Mortality	Mortality	Not reported	Total	10	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	>4	Day(s)	LT50	Mortality	Mortality	Not reported	Total	1	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.3583	Day(s)	LT50	Mortality	Mortality	Not reported	Total	100	AI mg/L	Terhaar,C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett	14566	Toxicity of Photographic Processing Chemicals to Fish	Photogr. Sci. Eng.16(5): 370-377	1972	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Behavior	Valve closure	Not reported	Total	>1000000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50	Behavior	Foot retraction	Not reported	Total	>1000000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50	Behavior	Valve closure	Not reported	Total	>1000000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50	Behavior	Foot retraction	Not reported	Total	>1000000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LOEC	Behavior	Foot retraction	Not reported	Total	10000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LOEC	Behavior	Foot retraction	Not reported	Total	10000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LOEC	Behavior	Valve closure	Not reported	Total	>1000000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LOEC	Behavior	Valve closure	Not reported	Total	200000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NOEC	Behavior	Valve closure	Not reported	Total	100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NOEC	Behavior	Foot retraction	Not reported	Total	1000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Behavior	Foot retraction	Not reported	Total	1000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NOEC	Behavior	Valve closure	Not reported	Total	1000000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
13601199	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) sodium (1:4)	Not reported	NR	Polycelis nigra	Planarian	Worms	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LT50	Mortality	Mortality	Not reported	Total	243.12984	AI mg/L	Jones,J.R.E.	10013	A Study of the Relative Toxicity of Anions, with Polycelis nigra as Test	J. Exp. Biol.18:170-181	1941	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Analytical grade	NR	Nitzschia closterium	Diatom	Algae	5	Day(s)	Exponential growth phase (log)	Static	Not reported	Salt water	Lab	NR	3	Day(s)	EC50	Population	Population changes, general	Not reported	Total	0.127	AI mg/L	Pablo,F., J.L. Stauber, and R.T. Buckney	18352	Toxicity of Cyanide and Cyanide Complexes to the Marine Diatom Nitzschia closterium	Water Res.31(10): 2435-2442	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Ankistrodesmus falcatus	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Not reported	IC50	Population	Population changes, general	Not reported	Total	0.21	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Ankistrodesmus falcatus	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	NR	Not reported	IC50	Population	Population changes, general	Not reported	Total	0.78	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Analytical grade	NR	Nitzschia closterium	Diatom	Algae	5	Day(s)	Exponential growth phase (log)	Static	Unmeasured	Salt water	Lab	NR	3	Day(s)	LOEC	Population	Population changes, general	Not reported	Total	0.062	AI mg/L	Pablo,F., J.L. Stauber, and R.T. Buckney	18352	Toxicity of Cyanide and Cyanide Complexes to the Marine Diatom Nitzschia closterium	Water Res.31(10): 2435-2442	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Analytical grade	NR	Nitzschia closterium	Diatom	Algae	5	Day(s)	Exponential growth phase (log)	Static	Unmeasured	Salt water	Lab	NR	3	Day(s)	NOEC	Population	Population changes, general	Not reported	Total	0.031	AI mg/L	Pablo,F., J.L. Stauber, and R.T. Buckney	18352	Toxicity of Cyanide and Cyanide Complexes to the Marine Diatom Nitzschia closterium	Water Res.31(10): 2435-2442	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Population	Abundance	Not reported	Total	0.2	AI mg/L	Bringmann,G., and R. Kuhn	61194	Comparative Water-Toxicological Investigations on Bacteria, Algae, and Daphnia	TR-TS-002, Literature Research Company, Annandale, VA:26 p.	1959	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Scenedesmus quadricauda	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NR	Population	Abundance	Not reported	Total	0.25	AI mg/L	Bringmann,G., and R. Kuhn	61194	Comparative Water-Toxicological Investigations on Bacteria, Algae, and Daphnia	TR-TS-002, Literature Research Company, Annandale, VA:26 p.	1959	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Penaeus monodon	Jumbo Tiger Prawn	Crustaceans	>1	Month(s)	Post-larva	Renewal	Measured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	60.8	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17987	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast-Furnace Effluent to the Banana Prawn, Penaeus monodon	Bull. Environ. Contam. Toxicol.58:822-829	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Penaeus monodon	Jumbo Tiger Prawn	Crustaceans	>1	Month(s)	Post-larva	Renewal	Measured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	9.1	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17987	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast-Furnace Effluent to the Banana Prawn, Penaeus monodon	Bull. Environ. Contam. Toxicol.58:822-829	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Penaeus monodon	Jumbo Tiger Prawn	Crustaceans	>1	Month(s)	Post-larva	Renewal	Measured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	2.41	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17987	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast-Furnace Effluent to the Banana Prawn, Penaeus monodon	Bull. Environ. Contam. Toxicol.58:822-829	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Penaeus monodon	Jumbo Tiger Prawn	Crustaceans	>1	Month(s)	Post-larva	Renewal	Measured	Salt water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	2.7	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17987	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast-Furnace Effluent to the Banana Prawn, Penaeus monodon	Bull. Environ. Contam. Toxicol.58:822-829	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	905	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	549	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.1	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.6	AI mg/L	Dowden,B.F., and H.J. Bennett	915	Toxicity of Selected Chemicals to Certain Animals	J. Water Pollut. Control Fed.37(9): 1308-1316	1965	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR	Avoidance	Stimulus avoidance	Not reported	Total	2.5	AI mg/L	Bringmann,G., and R. Kuhn	61194	Comparative Water-Toxicological Investigations on Bacteria, Algae, and Daphnia	TR-TS-002, Literature Research Company, Annandale, VA:26 p.	1959	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Ptychocheilus oregonensis	Northern Squawfish	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	10	AI mg/L	MacPhee,C., and R. Ruelle	15148	Lethal Effects of 1888 Chemicals upon Four Species of Fish from Western North America	Bull.- For. Wildl. Range Exp. Sta.3:112 p.	1969	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Ptychocheilus oregonensis	Northern Squawfish	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	10	AI mg/L	MacPhee,C., and R. Ruelle	15148	Lethal Effects of 1888 Chemicals upon Four Species of Fish from Western North America	Bull.- For. Wildl. Range Exp. Sta.3:112 p.	1969	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	760	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	19	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	2.8	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	3	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	35	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	350	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	570	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1400	AI mg/L	Tscheu-Schluter,M.	12314	On the Toxicity of Simple and Complex Cyanides to Aquatic Organisms (Zur Toxizitat Einfacher und Komplexer Cyanide Gegenuber Wasserorganismen)	Acta Hydrochim. Hydrobiol.11(2): 169-179	1983	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	44.2	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.24	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	>0.61	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1210	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.31	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.42	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	69.6	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>541	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	869	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	>0.5	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	38.8	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	869	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	10.8	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>877	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	1210	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	>1.14	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>731	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.4	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	10	AI mg/L	MacPhee,C., and R. Ruelle	15148	Lethal Effects of 1888 Chemicals upon Four Species of Fish from Western North America	Bull.- For. Wildl. Range Exp. Sta.3:112 p.	1969	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Oncorhynchus tshawytscha	Chinook Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Total	10	AI mg/L	MacPhee,C., and R. Ruelle	15148	Lethal Effects of 1888 Chemicals upon Four Species of Fish from Western North America	Bull.- For. Wildl. Range Exp. Sta.3:112 p.	1969	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	4	10	Day(s)	NR	Population	Abundance	Frond	Total	NR	AI mg/L	Watanabe,K., and A. Takimoto	67447	Effects of Some Metabolic Inhibitors on Flowering of Lemna gibba G3, a Long-Day Duckweed	Plant Cell Physiol.18:1369-1372	1977	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	4	14	Day(s)	NR	Reproduction	Inflorescences (number of)	Frond	Total	NR	AI mg/L	Watanabe,K., and A. Takimoto	67447	Effects of Some Metabolic Inhibitors on Flowering of Lemna gibba G3, a Long-Day Duckweed	Plant Cell Physiol.18:1369-1372	1977	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	4	10	Day(s)	NR	Reproduction	Inflorescences (number of)	Frond	Total	NR	AI mg/L	Watanabe,K., and A. Takimoto	67447	Effects of Some Metabolic Inhibitors on Flowering of Lemna gibba G3, a Long-Day Duckweed	Plant Cell Physiol.18:1369-1372	1977	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Not reported	NR	Lemna gibba	Inflated Duckweed	Flowers, Trees, Shrubs, Ferns; Standard Test Species	NR	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	4	14	Day(s)	NR	Population	Abundance	Frond	Total	NR	AI mg/L	Watanabe,K., and A. Takimoto	67447	Effects of Some Metabolic Inhibitors on Flowering of Lemna gibba G3, a Long-Day Duckweed	Plant Cell Physiol.18:1369-1372	1977	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Analytical grade	NR	Chlamys asperrimus	Prickly Scallop	Molluscs	NR	Not reported	Egg	Static	Measured	Salt water	Lab	NR	2	Day(s)	EC50	Development	Developmental changes, general	Not reported	Total	0.128	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17482	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast Furnace Effluent to Larvae of the Doughboy Scallop, Chlamys asperrimus	Bull. Environ. Contam. Toxicol.58:93-100	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Analytical grade	NR	Chlamys asperrimus	Prickly Scallop	Molluscs	NR	Not reported	Egg	Static	Measured	Salt water	Lab	NR	2	Day(s)	LOEC	Development	Developmental changes, general	Not reported	Total	NR	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17482	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast Furnace Effluent to Larvae of the Doughboy Scallop, Chlamys asperrimus	Bull. Environ. Contam. Toxicol.58:93-100	1997	Drop: chemical
13746662	(OC-6-11)-Hexakis(cyano-kappac)ferrate(3-) potassium (1:3)	Analytical grade	NR	Chlamys asperrimus	Prickly Scallop	Molluscs	NR	Not reported	Egg	Static	Measured	Salt water	Lab	NR	2	Day(s)	NOEC	Development	Developmental changes, general	Not reported	Total	NR	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17482	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast Furnace Effluent to Larvae of the Doughboy Scallop, Chlamys asperrimus	Bull. Environ. Contam. Toxicol.58:93-100	1997	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	1	Day(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	39	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	1	Day(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	23.78	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	116.2	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Eyed egg or stage, eyed embryo	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	12.8	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Larva	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	4.46	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Adult	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	116.1	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Larva	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	5.75	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13772162	Sulfuric acid, Ammonium iron salt (2:1:1), Decahydrate	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Eyed egg or stage, eyed embryo	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	12.2	AI mg/L	Kazlauskiene,N., A. Burba, and G. Svecevicius	17573	Acute Toxicity of Five Galvanic Heavy Metals to Hydrobionts	Ekologiia1:33-36	1994	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Analytical grade	NR	Nitzschia closterium	Diatom	Algae	5	Day(s)	Exponential growth phase (log)	Static	Not reported	Salt water	Lab	NR	3	Day(s)	EC50	Population	Population changes, general	Not reported	Total	0.267	AI mg/L	Pablo,F., J.L. Stauber, and R.T. Buckney	18352	Toxicity of Cyanide and Cyanide Complexes to the Marine Diatom Nitzschia closterium	Water Res.31(10): 2435-2442	1997	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Analytical grade	NR	Nitzschia closterium	Diatom	Algae	5	Day(s)	Exponential growth phase (log)	Static	Unmeasured	Salt water	Lab	NR	3	Day(s)	LOEC	Population	Population changes, general	Not reported	Total	0.062	AI mg/L	Pablo,F., J.L. Stauber, and R.T. Buckney	18352	Toxicity of Cyanide and Cyanide Complexes to the Marine Diatom Nitzschia closterium	Water Res.31(10): 2435-2442	1997	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Analytical grade	NR	Nitzschia closterium	Diatom	Algae	5	Day(s)	Exponential growth phase (log)	Static	Unmeasured	Salt water	Lab	NR	3	Day(s)	NOEC	Population	Population changes, general	Not reported	Total	0.031	AI mg/L	Pablo,F., J.L. Stauber, and R.T. Buckney	18352	Toxicity of Cyanide and Cyanide Complexes to the Marine Diatom Nitzschia closterium	Water Res.31(10): 2435-2442	1997	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Asellus intermedius	Aquatic Sowbug	Crustaceans	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>=100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Asellus intermedius	Aquatic Sowbug	Crustaceans	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	64	AI mg/L	Lee,D.R.	3402	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D.Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA:108 p.	1976	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	>=6	Day(s)	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	91	AI mg/L	Lee,D.R.	3402	Development of an Invertebrate Bioassay to Screen Petroleum Refinery Effluents Discharged into Freshwater	Ph.D.Thesis, Virginia Polytechnic Institute and State University, Blacksburg, VA:108 p.	1976	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Instar	Larva	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	75	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Instar	Larva	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	32	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Gammarus fasciatus	Scud	Crustaceans; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Gammarus fasciatus	Scud	Crustaceans; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>=100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Osteichthyes	Bony Fishes	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NR-LETH	Mortality	Mortality	Not reported	Formulation	4000	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Hybognathus regius	Eastern Silvery Minnow	Fish	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	NR	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Rhinichthys atratulus	Blacknose Dace	Fish	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Lab	NR	0.125	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	1	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Notropis atherinoides	Emerald Shiner	Fish	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	NR	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Semotilus atromaculatus	Creek Chub	Fish	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	NR	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Semotilus atromaculatus	Creek Chub	Fish	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	NR	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Rhinichthys atratulus	Blacknose Dace	Fish	NR	Not reported	Not reported	Aquatic - not reported	Not reported	Fresh water	Lab	NR	NR	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	NR	AI mg/L	Burdick,G.E., and M. Lipschuetz	6304	Toxicity of Ferro- and Ferricyanide Solutions to Fish, and Determination of the Cause of Mortality	Trans. Am. Fish. Soc.78:192-202	1950	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>=100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	33	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	752	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>867	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	232	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	752	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	220	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.15	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.17	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.79	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	37.4	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	1.1	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	939	AI mg/L	Meyn,E.L., R.K. Zajdel, and R.V. Thurston	12029	Acute Toxicity of Ferrocyanide and Ferricyanide to Rainbow Trout (Salmo gairdneri)	Tech.Rep.No.84-1, Fish.Bioassay Lab., Montana State Univ., Bozeman, MT:19 p.	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Labile	0.71	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	6	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>867	AI mg/L	Thurston,R.V., and T.A. Heming	67837	Acute Toxicity of Iron Cyanides and Thiocyanate to Trout	In: EPA-600/9-86/024, R.C.Ryans (Ed.), Proc.of USA-USSR Symp., Jul.30-Aug.1, 1984, Borok, Jaroslavl Oblast, U.S.EPA, Athens, GA:55-71	1984	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Analytical grade	NR	Chlamys asperrimus	Prickly Scallop	Molluscs	NR	Not reported	Egg	Static	Measured	Salt water	Lab	NR	2	Day(s)	EC50	Development	Developmental changes, general	Not reported	Total	0.686	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17482	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast Furnace Effluent to Larvae of the Doughboy Scallop, Chlamys asperrimus	Bull. Environ. Contam. Toxicol.58:93-100	1997	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Planorbella trivolvis	Snail, Marsh Rams-Horn	Molluscs	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>=100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Planorbella trivolvis	Snail, Marsh Rams-Horn	Molluscs	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Analytical grade	NR	Chlamys asperrimus	Prickly Scallop	Molluscs	NR	Not reported	Egg	Static	Measured	Salt water	Lab	NR	2	Day(s)	LOEC	Development	Developmental changes, general	Not reported	Total	NR	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17482	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast Furnace Effluent to Larvae of the Doughboy Scallop, Chlamys asperrimus	Bull. Environ. Contam. Toxicol.58:93-100	1997	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Analytical grade	NR	Chlamys asperrimus	Prickly Scallop	Molluscs	NR	Not reported	Egg	Static	Measured	Salt water	Lab	NR	2	Day(s)	NOEC	Development	Developmental changes, general	Not reported	Total	NR	AI mg/L	Pablo,F., R.T. Buckney, and R.P. Lim	17482	Toxicity of Cyanide, Iron-Cyanide Complexes, and a Blast Furnace Effluent to Larvae of the Doughboy Scallop, Chlamys asperrimus	Bull. Environ. Contam. Toxicol.58:93-100	1997	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Dugesia tigrina	Turbellarian, Flatworm	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Dugesia tigrina	Turbellarian, Flatworm	Worms	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>=100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Lumbriculus variegatus	Oligochaete, Worm	Worms; Standard Test Species	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
13943583	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-) potassium (1:4)	Reagent Grade, Purissium, Purum, Puriss or Puris	NR	Lumbriculus variegatus	Oligochaete, Worm	Worms; Standard Test Species	NR	Not reported	Juvenile	Static	Unmeasured	Fresh water	Lab	5	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>=100	AI mg/L	Ewell,W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel	11951	Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species	Environ. Toxicol. Chem.5(9): 831-840	1986	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	EC50	Behavior	Valve closure	Not reported	Total	>100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50	Behavior	Foot retraction	Not reported	Total	>100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50	Behavior	Foot retraction	Not reported	Total	>100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	EC50	Behavior	Valve closure	Not reported	Total	>100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LOEC	Behavior	Foot retraction	Not reported	Total	100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LOEC	Behavior	Valve closure	Not reported	Total	100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LOEC	Behavior	Valve closure	Not reported	Total	>100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LOEC	Behavior	Foot retraction	Not reported	Total	>100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NOEC	Behavior	Foot retraction	Not reported	Total	100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NOEC	Behavior	Valve closure	Not reported	Total	100000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<24	Hour(s)	Glochidia	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	NOEC	Behavior	Valve closure	Not reported	Total	10000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14038438	(OC-6-11)-Hexakis(cyano-kappaC)ferrate(4-), Iron(3+) (3:4)	Not reported	NR	Villosa iris	Rainbow Mussel	Molluscs	<1	Month(s)	Juvenile	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	NOEC	Behavior	Foot retraction	Not reported	Total	10000	AI mg/L	Pandolfo,T.J., W.G. Cope, G.B. Young, J.W. Jones, D. Hua, and S.F. Lingenfelser	160950	Acute Effects of Road Salts and Associated Cyanide Compounds on the Early Life Stages of the Unionid Mussel	Environ. Toxicol. Chem.31(8): 1801-1806	2012	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Chlorella pyrenoidosa	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	EC50	Growth	Growth, general	Not reported	Active ingredient	2.4	AI mg/L	Van Leeuwen,C.J., J.L. Maas-Diepeveen, G. Niebeek, W.H.A. Vergouw, P.S. Griffioen, and M.W. Luijken	11455	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. I. Short-Term Toxicity Tests	Aquat. Toxicol.7(3): 145-164	1985	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Platymonas sp.	Green Flagellate	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	0.1667	Day(s)	NR	Physiology	Photosynthesis	Not reported	Formulation	1	AI mg/L	Butler,P.A.	2188	Commercial Fisheries Investigations	Fish and Wildlife Service, Circular 167, Washington, D.C.:11-25	1963	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	NR	Day(s)	NR	Population	Abundance	Not reported	Formulation	NR	AI mg/L	Eipper,A.W.	10004	Effects of Five Herbicides on Farm Pond Plants and Fish	N. Y. Fish Game J.6(1): 46-56	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Algae	Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	0.1667	Day(s)	NR	Physiology	Photosynthesis	Not reported	Formulation	1	AI mg/L	Butler,P.A.	2188	Commercial Fisheries Investigations	Fish and Wildlife Service, Circular 167, Washington, D.C.:11-25	1963	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Dunaliella euchlora	Green Algae	Algae	NR	Not reported	Not reported	Static	Unmeasured	Salt water	Lab	NR	0.1667	Day(s)	NR	Physiology	Photosynthesis	Not reported	Formulation	1	AI mg/L	Butler,P.A.	2188	Commercial Fisheries Investigations	Fish and Wildlife Service, Circular 167, Washington, D.C.:11-25	1963	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Bufo bufo ssp. japonicus	Toad	Amphibians	NR	Not reported	Tadpole	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	4.2	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Moina macrocopa	Water Flea	Crustaceans	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.5	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Moina macrocopa	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.5	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Callinectes sapidus	Blue Crab	Crustaceans	NR	Not reported	Juvenile	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	NR	Behavior	Observed stress	Not reported	Formulation	10	AI mg/L	Butler,P.A.	2188	Commercial Fisheries Investigations	Fish and Wildlife Service, Circular 167, Washington, D.C.:11-25	1963	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Technical grade, technical product, technical formulation	76	Penaeus duorarum	Northern Pink Shrimp	Crustaceans; Standard Test Species	NR	Not reported	Juvenile	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	EC50	Intoxication	Immobile	Not reported	Active ingredient	>40	AI mg/L	Mayer,F.L.,Jr.	3947	Acute Toxicity Handbook of Chemicals to Estuarine Organisms	EPA 600/8-87-017, U.S.EPA, Gulf Breeze, FL:274 p.	1987	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	21	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	0.015	AI mg/L	Van Leeuwen,C.J., F. Moberts, and G. Niebeek	11456	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. II. Effects on Survival, Reproduction and Growth of Daphnia magna	Aquat. Toxicol.7:165-175	1988	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	0.09	AI mg/L	Van Leeuwen,C.J., J.L. Maas-Diepeveen, G. Niebeek, W.H.A. Vergouw, P.S. Griffioen, and M.W. Luijken	11455	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. I. Short-Term Toxicity Tests	Aquat. Toxicol.7(3): 145-164	1985	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.18	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.18	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Daphnia magna	Water Flea	Crustaceans; Standard Test Species	<24	Hour(s)	Larva	Renewal	Unmeasured	Fresh water	Lab	NR	1.0833	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.085	AI mg/L	Frear,D.E.H., and J.E. Boyd	2820	Use of Daphnia magna for the Microbioassay of Pesticides. I. Development of Standardized Techniques for Rearing Daphnia and Preparation of Dosage-Mortality Curves	J. Econ. Entomol.60(5): 1228-1236	1967	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Fundulus similis	Longnose Killifish	Fish	NR	Not reported	Juvenile	Static	Unmeasured	Salt water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1	AI mg/L	Butler,P.A.	2188	Commercial Fisheries Investigations	Fish and Wildlife Service, Circular 167, Washington, D.C.:11-25	1963	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Misgurnus anguillicaudatus	Oriental Weatherfish	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	1.8	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Fundulus similis	Longnose Killifish	Fish	NR	Not reported	Juvenile	Static	Unmeasured	Salt water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	0.8	AI mg/L	Butler,P.A.	2188	Commercial Fisheries Investigations	Fish and Wildlife Service, Circular 167, Washington, D.C.:11-25	1963	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not coded	NC	Fundulus similis	Longnose Killifish	Fish	NC	Not coded	Adult	Static	Not coded	Salt water	Lab	NC	1	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	1	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Micropterus salmoides	Largemouth Bass	Fish	NR	Not reported	Not reported	Flow-through	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Physiology	Ventilation	Not reported	Formulation	1	AI mg/L	Morgan,W.S.G.	5463	Biomonitoring with Fish: An Aid to Industrial Effluent and Surface Water Quality Control	Prog. Water Technol.9(3): 703-711	1977	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Mystus vittatus	Striped Catfish	Fish	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	30	Day(s)	NR	Biochemistry	Hematological parameters (Temporary AQUIRE code)	Not reported	Formulation	0.062	AI mg/L	Verma,S.R., S. Rani, and R.C. Dalela	11103	Indicators of Stress Induced by Pesticides in Mystus vittatus: Haematological Parameters	Indian J. Environ. Health24(1): 58-64	1982	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	50	Micropterus salmoides	Largemouth Bass	Fish	NR	Not reported	Not reported	Flow-through	Measured	Fresh water	Lab	NR	1	Day(s)	NR	Physiology	Respiration	Not reported	Active ingredient	1.01	AI mg/L	Morgan,W.S.G.	5462	Fishing for Toxicity: Biological Automonitor for Continuous Water Quality Control	Effluent Water Treat. J.16(9): 471-472, 474 - 475	1976	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Osteichthyes	Bony Fishes	Fish	NR	Not reported	Not reported	Lentic	Unmeasured	Fresh water	Field natural	NR	NR	Day(s)	NR	Population	Abundance	Not reported	Formulation	0.5	AI mg/L	Eipper,A.W.	10004	Effects of Five Herbicides on Farm Pond Plants and Fish	N. Y. Fish Game J.6(1): 46-56	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	3.1	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	3	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	3.6	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	1.3	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not coded	NC	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Not coded	Fresh water	Lab	NC	4	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	3.1	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	1.125	Day(s)	LC50	Mortality	Mortality	Not reported	Total	12.6	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	7	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not coded	NC	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NC	Not coded	Adult	Static	Not coded	Fresh water	Lab	NC	1.125	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	12.6	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	6.2	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	4	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	5	0.8333	Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	NR	AI mg/L	Tilton,F., J.K. La Du, M. Vue, N. Alzarban, and R.L. Tanguay	88674	Dithiocarbamates have a Common Toxic Effect on Zebrafish Body Axis Formation	Toxicol. Appl. Pharmacol.216(1): 55-68	2006	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.045	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.045	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	3	Day(s)	LC50	Mortality	Mortality	Not reported	Total	2.2	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	1.3	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	0.0833	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>20	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	3.7	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Total	3.6	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Pimephales promelas	Fathead Minnow	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	3.6	AI mg/L	Pickering,Q.H., and C. Henderson	8096	The Acute Toxicity of Some Pesticides to Fish	Ohio J. Sci.66(5): 508-513	1966	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	0.3333	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>20	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	0.1667	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>20	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	0.0417	Day(s)	LC50	Mortality	Mortality	Not reported	Total	>20	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	76	Ictalurus punctatus	Channel Catfish	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Total	2.2	AI mg/L	Clemens,H.P., and K.E. Sneed	934	Lethal Doses of Several Commercial Chemicals for Fingerling Channel Catfish	U.S.Fish.Wildl.Serv., Spec.Sci.Rep.- Fish No.316, Washington, DC:10 p.	1959	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	95	Poecilia reticulata	Guppy	Fish; Standard Test Species	NR	Not reported	Not reported	Renewal	Unmeasured	Fresh water	Lab	NR	4	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	0.09	AI mg/L	Van Leeuwen,C.J., J.L. Maas-Diepeveen, G. Niebeek, W.H.A. Vergouw, P.S. Griffioen, and M.W. Luijken	11455	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. I. Short-Term Toxicity Tests	Aquat. Toxicol.7(3): 145-164	1985	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	4	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	5	0.8333	Day(s)	LOEL	Development	Deformation	Notochord	Formulation	0.004	AI mg/L	Tilton,F., J.K. La Du, M. Vue, N. Alzarban, and R.L. Tanguay	88674	Dithiocarbamates have a Common Toxic Effect on Zebrafish Body Axis Formation	Toxicol. Appl. Pharmacol.216(1): 55-68	2006	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Danio rerio	Zebra Danio	Fish; Standard Test Species	4	Hours post fertilization	Embryo	Static	Unmeasured	Fresh water	Lab	5	0.8333	Day(s)	NOEL	Development	Deformation	Notochord	Formulation	<0.004	AI mg/L	Tilton,F., J.K. La Du, M. Vue, N. Alzarban, and R.L. Tanguay	88674	Dithiocarbamates have a Common Toxic Effect on Zebrafish Body Axis Formation	Toxicol. Appl. Pharmacol.216(1): 55-68	2006	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Lepomis macrochirus	Bluegill	Fish; Standard Test Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	0.5	Day(s)	NR	Multiple	Multiple effects reported as one result	Not reported	Formulation	5	AI mg/L	Applegate,V.C., J.H. Howell, A.E.,Jr. Hall, and M.A. Smith	638	Toxicity of 4,346 Chemicals to Larval Lampreys and Fishes	Spec. Sci. Rep. Wildl.207:157 p.	1957	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.09	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not coded	NC	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Not reported	Not coded	Fresh water	Lab	NC	2	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	0.09	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.09	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Topical, general	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>0.1	mg/fish	Hashimoto,Y., and J.I. Fukami	9038	Toxicity of Orally and Topically Applied Pesticide Ingredients to Carp, Cyprinus carpio Linne	Bochu-Kagaku34(2): 63-66	1969	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>10000	mg/fish	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cyprinus carpio	Common Carp	Fish; Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Food	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	>10	mg/fish	Hashimoto,Y., and J.I. Fukami	9038	Toxicity of Orally and Topically Applied Pesticide Ingredients to Carp, Cyprinus carpio Linne	Bochu-Kagaku34(2): 63-66	1969	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Renewal	Unmeasured	Fresh water	Lab	NR	60	Day(s)	EC50	Multiple	Multiple effects reported as one result	Not reported	Active ingredient	0.0015	AI mg/L	Van Leeuwen,C.J., A. Espeldoorn, and F. Mol	12096	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. III. Embryolarval Studies with Rainbow Trout (Salmo gairdneri)	Aquat. Toxicol.9(2/3): 129-145	1986	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Renewal	Unmeasured	Fresh water	Lab	NR	60	Day(s)	LC50	Mortality	Mortality	Not reported	Active ingredient	0.0029	AI mg/L	Van Leeuwen,C.J., A. Espeldoorn, and F. Mol	12096	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. III. Embryolarval Studies with Rainbow Trout (Salmo gairdneri)	Aquat. Toxicol.9(2/3): 129-145	1986	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Renewal	Unmeasured	Fresh water	Lab	NR	60	Day(s)	LOEC	Growth	Growth, general	Not reported	Active ingredient	0.0018	AI mg/L	Van Leeuwen,C.J., A. Espeldoorn, and F. Mol	12096	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. III. Embryolarval Studies with Rainbow Trout (Salmo gairdneri)	Aquat. Toxicol.9(2/3): 129-145	1986	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Renewal	Unmeasured	Fresh water	Lab	NR	60	Day(s)	LOEC	Growth	Growth, general	Not reported	Active ingredient	0.0018	AI mg/L	Van Leeuwen,C.J., A. Espeldoorn, and F. Mol	12096	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. III. Embryolarval Studies with Rainbow Trout (Salmo gairdneri)	Aquat. Toxicol.9(2/3): 129-145	1986	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Renewal	Unmeasured	Fresh water	Lab	NR	60	Day(s)	LOEC	Multiple	Multiple effects reported as one result	Not reported	Active ingredient	0.001	AI mg/L	Van Leeuwen,C.J., A. Espeldoorn, and F. Mol	12096	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. III. Embryolarval Studies with Rainbow Trout (Salmo gairdneri)	Aquat. Toxicol.9(2/3): 129-145	1986	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	>=95	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Multiple	Renewal	Unmeasured	Fresh water	Lab	NR	60	Day(s)	LOEC	Mortality	Mortality	Not reported	Active ingredient	0.0018	AI mg/L	Van Leeuwen,C.J., A. Espeldoorn, and F. Mol	12096	Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. III. Embryolarval Studies with Rainbow Trout (Salmo gairdneri)	Aquat. Toxicol.9(2/3): 129-145	1986	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Fingerling	Static	Unmeasured	Fresh water	Lab	NR	0.5	Day(s)	NR	Multiple	Multiple effects reported as one result	Not reported	Formulation	5	AI mg/L	Applegate,V.C., J.H. Howell, A.E.,Jr. Hall, and M.A. Smith	638	Toxicity of 4,346 Chemicals to Larval Lampreys and Fishes	Spec. Sci. Rep. Wildl.207:157 p.	1957	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not coded	NC	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Not reported	Not coded	Fresh water	Lab	NC	2	Day(s)	LC50	Mortality	Mortality	Not coded	Not coded	0.13	AI mg/L	U.S. Environmental Protection Agency	344	Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))	Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.:	1992	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.13	AI mg/L	Nishiuchi,Y., and Y. Hashimoto	15192	Toxicity of Pesticide Ingredients to Some Fresh Water Organisms	Sci. Pest Control (Botyu-Kagaku)32(1): 5-11	1967	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Carassius auratus	Goldfish	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.13	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Petromyzon marinus	Sea Lamprey	Fish; U.S. Exotic/Nuisance Species	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	NR	0.5	Day(s)	NR	Multiple	Multiple effects reported as one result	Not reported	Formulation	5	AI mg/L	Applegate,V.C., J.H. Howell, A.E.,Jr. Hall, and M.A. Smith	638	Toxicity of 4,346 Chemicals to Larval Lampreys and Fishes	Spec. Sci. Rep. Wildl.207:157 p.	1957	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Larva	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.56	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.25	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	3.5	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	5.2	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	1	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	2.6	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Cloeon dipterum	Mayfly	Insects/Spiders	NR	Not reported	Nymph	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LD50	Mortality	Mortality	Not reported	Formulation	0.56	AI mg/L	Nishiuchi,Y., and K. Asano	6954	Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59	Suisan Zoshoku27(1): 48-55	1979	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Analytical grade	NR	Colpidium campylum	Ciliate	Invertebrates	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR	~1.5	Generation	NR	Population	Population growth rate	Not reported	Active ingredient	NR	AI mg/L	Sekkat,N., A. Le Du, J.M. Jouany, and M. Guerbet	5532	Study of the Interactions Between Copper, Cadmium, and Ferbam Using the Protozoan Colpidium campylum	Ecotoxicol. Environ. Saf.24(3): 294-300	1992	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.5	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical
14484641	(OC-6-11)-tris(N,N-Dimethylcarbamodithioato-kappaS,kappaS')iron	Not reported	NR	Indoplanorbis exustus	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	2	Day(s)	LC50*	Mortality	Mortality	Not reported	Formulation	0.56	AI mg/L	Hashimoto,Y., and Y. Nishiuchi	5761	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	J. Pestic. Sci.6(2): 257-264	1981	Drop: chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.021	Day(s)	LOEC	Behavior	Phototactic response	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.021	Day(s)	LOEC	Behavior	Freezing behavior	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.021	Day(s)	LOEC	Behavior	Phototactic response	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.011	Day(s)	LOEC	Behavior	Freezing behavior	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	LOEC	Behavior	Surfacing	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.023	Day(s)	LOEC	Behavior	Observed stress	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	LOEC	Behavior	Surfacing	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.021	Day(s)	LOEC	Behavior	Surfacing	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.011	Day(s)	NOEC	Behavior	Distance-moved, change in direct movement	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.011	Day(s)	NOEC	Behavior	Distance-moved, change in direct movement	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	NOEC	Behavior	Surfacing	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.011	Day(s)	NOEC	Behavior	Swimming	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.023	Day(s)	NOEC	Behavior	Distance-moved, change in direct movement	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.023	Day(s)	NOEC	Behavior	Phototactic response	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	NOEC	Behavior	Surfacing	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	NOEC	Behavior	Surfacing	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.023	Day(s)	NOEC	Behavior	Phototactic response	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.021	Day(s)	NOEC	Behavior	Swimming	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	NOEC	Behavior	Surfacing	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	0.99		Day(s)	NOEC	Behavior	Surfacing	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.023	Day(s)	NOEC	Behavior	Phototactic response	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.011	Day(s)	NOEC	Behavior	Freezing behavior	Not reported	Formulation	25.23	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	1	0.011	Day(s)	NOEC	Behavior	Distance-moved, change in direct movement	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
3333826	R-(4-(4-Pyrimidinyl)-1-piperazinyl)butyl)-6-oxopiro[5.5]decane-7,9-dione hydrochloride (1:1)	Not reported	NR	Danio rerio	Zebra Danio	Fish, Standard Test Species	NR	Not reported	Adult	Intraperitoneal	Unmeasured	Fresh water	Lab	NR		Day(s)	NR	Behavior	Surfacing	Not reported	Formulation	50.45	mg/kg bdwt	Maximilla,C., B. Pully, R. Benzeny, J. Araya, M.G. Lima, S. De Jesus Oliveira Batista, E. Revista De Matou Oliveira, M.S	3663004	Role of Serotonin in Zebrafish (Danio rerio) Anxiety: Relationship with Serotonin Levels and Effect of Buspirone, WAY 100635, SB 224289, Fluoxetine and para-Chlorophenylalanine (pCPA) in Two	Neuropharmacology,71:83-97	2013	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Bufo bufo spp. japonicus	Toad	Amphibians	NR	Not reported	Tadpole	Static		Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Moina macrocopa	Water Flea	Crustaceans	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Daphnia pulex	Water Flea	Crustaceans; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	0.125	Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Rhbarnus amelBioaddlei	Oriental Weatherfish	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish, Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Cyprinus carpio	Common Carp	Fish, Standard Test Species; U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Carassius auratus	Goldfish	Fish, U.S. Exotic/Nuisance Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Semisulcospira libertina	Marsh Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
339727	Methylbenzoic acid+ion salt	Not reported	NR	Aulopyhorbis exutus	Snail	Molluscs	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50*	Mortality	Mortality	Not reported	Active ingredient	>10	or mg/L	Hashimoto,Y., and Y. Nishiuchi	6760	Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms	Pestic. Sci.6(2): 257-266	1981	Drug; chemical
3547421	Methylbenzoic acid+ion salt (1:1)	Not reported		Rana kimoharis	Frog-Hog	Amphibians	NR	Not reported	Tadpole	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	79.666	or mg/L	Rao,D.Y., and K.M. Ueng	3819	Toxicity of Pesticides to Some Aquatic Animals	J. Human Agric. Coll.14(1): 47-56	1984	Drug; chemical
3547421	Methylbenzoic acid, Ammonium iron (III) salt	Not reported	NR	Rana kimoharis	Frog	Amphibians	NR	Not reported	Tadpole	Aquatic - not reported	Unmeasured	Fresh water	Not reported	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	>100	or mg/L	Nishiuchi,Y.	8589	Toxicity of Pesticides to Some Aquatic Animals. III. Toxicity of Some Pesticides to Tadpoles	J. K. Seil. Environ. Pollut.18:0-72(Eng	1984	Drug; chemical
3547421	Methylbenzoic acid, Ammonium iron (III) salt	Gr grade	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	0.042		Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.023	lb a.i/a	Lees,S.J. & J. Na, Y.D. Cho, R. Koopman, and D. Bilton	6151	Short-Term Toxicity Test Based on the Ceriodaphnia dubia Survival, Reproduction and Population Growth Model	Environ. Toxicol. Chem.19:1207-1210	2000	Drug; chemical
3547421	Methylbenzoic acid, Ammonium iron (III) salt	Gr grade	NR	Ceriodaphnia dubia	Water Flea	Crustaceans; Standard Test Species	24	Hour(s)	Neonate	Static	Unmeasured	Fresh water	Lab	0.042		Day(s)	LC50	Mortality	Mortality	Not reported	Total	0.023	lb a.i/a	Lees,S.J. & J. Na, Y.D. Cho, R. Koopman, and D. Bilton	6151	Short-Term Toxicity Test Based on the Ceriodaphnia dubia Survival, Reproduction and Population Growth Model	Environ. Toxicol. Chem.19:1207-1210	2000	Drug; chemical
3547421	Methylbenzoic acid, Ammonium iron (III) salt	Not reported	NR	Physella acuta	European Physa	Molluscs	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	1000	or mg/L	Nishiuchi,Y. and K. Yoshida	9328	Fresh Water Snails	Environ. Toxicol. Chem.19:1207-1210	2000	Drug; chemical
3547421	Methylbenzoic acid, Ammonium iron (III) salt	Not reported	NR	Semisulcospira libertina	Marsh Snail	Molluscs	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	>100	or mg/L	Nishiuchi,Y. and K. Yoshida	9328	Fresh Water Snails	Environ. Toxicol. Chem.19:1207-1210	2000	Drug; chemical
3547421	Methylbenzoic acid, Ammonium iron (III) salt	Not reported	NR	Aulopyhorbis exutus	Snail	Molluscs	NR	Not reported	Not reported	Aquatic - not reported	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	>100	or mg/L	Nishiuchi,Y. and K. Yoshida	9328	Fresh Water Snails	Environ. Toxicol. Chem.19:1207-1210	2000	Drug; chemical
5329327	Ferrous sulfite	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish, U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6		Day(s)	LC50	Mortality	Mortality	Not reported	Total	868.05	mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	3566	Toxic Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drug; duration
5329327	Ferrous sulfite	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish, U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6		Day(s)	LC50	Mortality	Mortality	Not reported	Total	868.05	mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	3566	Toxic Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drug; duration
5329327	Ferrous sulfite	Not reported	NR	Gambusia affinis	Western Mosquitofish	Fish, U.S. Exotic/Nuisance Species	NR	Not reported	Adult	Static	Unmeasured	Fresh water	Lab	>6		Day(s)	LC50	Mortality	Mortality	Not reported	Total	868.05	mg/L	Wallen,I.E., W.C. Greer, and R. Lasater	3566	Toxic Chemicals in Turbid Waters	Sewage Ind. Wastes29(6): 695-711	1957	Drug; duration
6059955	Iodine complex with ferrocyanic acid	Not reported	NR	Oncorhynchus mykiss	Rainbow Trout	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	16.45	mg/L	MacPhee,C., and R. Ruelle	3514	Lethal Effects of 1-Hydrocarbons and Phenols on Several Species of Fish	Water Res.3:739-746	1969	Drug; chemical
6059955	Iodine complex with ferrocyanic acid	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	16.45	mg/L	MacPhee,C., and R. Ruelle	3514	Lethal Effects of 1889 Chemicals upon Four Species of Fish from Western North America	Bull.--For. Wildl. Range Exp. Sta.3:112,p.	1969	Drug; chemical
6059955	Iodine complex with ferrocyanic acid	Not reported	NR	Oncorhynchus tshawytscha	Chinook Salmon	Fish, Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	LC50	Mortality	Mortality	Not reported	Formulation	16.45	mg/L	MacPhee,C., and R. Ruelle	3514	Lethal Effects of 1889 Chemicals upon Four Species of Fish from Western North America	Bull.--For. Wildl. Range Exp. Sta.3:112,p.	1969	Drug; chemical
6059955	N,N-Dimethylaniline, Compd. with Ferrocyanic acid	Not reported	NR	Psychocheilus ensigneensis	Northern Squawfish	Fish	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR		Day(s)	NR	Behavior	Equilibrium	Not reported	Formulation	1.52	mg/L	MacPhee,C., and R. Ruelle	3514	Lethal Effects of 1889 Chemicals upon Four Species of Fish from Western North America	Bull.--For. Wildl. Range Exp. Sta.3:112,p.	1969	Drug; chemical

CAS Number	Chemical Name	Chemical Grade	Chemical Purity	Species Scientific Name	Species Common Name	Species Group	Organism Age	Age Units	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Number of Doses	Observed Duration (Days)	Observed Duration Units (Days)	Endpoint	Effect	Effect Measurement	Response Site	Conc 1 Type (Standardized)	Conc 1 (Standardized)	Conc 1 Units (Standardized)	Author	Reference Number	Title	Source	Publication Year	Comment
6019-58-4	N,N-Dimethylaniline, Compd. with Peroxyacetic acid	Not reported	NR	Oncorhynchus kisutch	Silver Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	18.0	mg/L	MacPhee C., and R. Ruelle	151	1969 Chemical Toxicity of 1000 Chemicals to Oce	Bull.- Fac. Wildl. Range Exp. Sta.3:112 p.	1969	Group: chemical
6019-58-4	N,N-Dimethylaniline, Compd. with Peroxyacetic acid	Not reported	NR	Oncorhynchus tshawytscha	Chinook Salmon	Fish; Standard Test Species; U.S. Threatened and Endangered Species	NR	Not reported	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab	NR	1	Day(s)	NR	Mortality	Mortality	Not reported	Formulation	32.0	mg/L	MacPhee C., and R. Ruelle	151	1969 Chemical Toxicity of 1000 Chemicals to Oce	Bull.- Fac. Wildl. Range Exp. Sta.3:112 p.	1969	Group: chemical
7720-78-7	Sulfuric acid, iron (2+) salt (1:1)	Reagent Grade, Puriosum, Purum, Purity ca Puris	NR	Chironomus sp.	Midge	Insects/Spiders; Standard Test Species	NR	Not reported	Larva	Lentic	Measured	Fresh water	Field artificial		10	30	Day(s)	MATC	Population	Abundance	Not reported	Total	89.865023328	mg/L	Mukhopadhyay,M.K., and S.K. Konar	358	1982 Effects of Iron on Fish and Aquatic Ecosystem	ENVPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-161	1982	Group:
10124-54-0	Sulfuric acid, iron(3+) salt (3:2)	Not reported	NR	Salmo trutta trutta	Brown Trout	Fish; Standard Test Species	NR	Not reported	Not reported	Static	Unmeasured	Fresh water	Lab		4	12	Hour(s)	MATC	Mortality	Mortality	Not reported	Total	2.689389516	mg/L	Rehwoldt,R., R. Stasior, and B. Wallace	1701	1972 Ferric Oxide in Rainbow	Environment(US) 106, 101-102	1972	Group:
7720-78-7	Sulfuric acid, iron (2+) salt (1:1)	Not reported	NR	Gammarus pulex	Shad	Crustaceans	NR	Not reported	Not reported	Mineral	Unmeasured	Fresh water	Lab	NR	4	96	Day(s)	MATC	Feeding behavior	Feeding behavior, general	Not reported	Fatal	1.414225946	mg/L	Maltby,L., and M. Crane	1710	1986 Responses of Gammarus pulex (Amphipoda, Crustacea) to Metalliferous Effluents: Identification of Toxic Components and the Importance of Interpopulation Variation	Environ. Pollut.(Ser.B)(12): 25-52	1986	Group:
7720-78-7	Sulfuric acid, iron (2+) salt (1:1)	Reagent Grade, Puriosum, Purum, Purity ca Puris	NR	Oreochromis mossambicus	Mozambique Tilapia	Fish	NR	Not reported	Not reported	Lentic	Measured	Fresh water	Field artificial		10	30	Day(s)	MATC	Growth, Development, Morphology, Reproduction	Survivus	Not reported	Total	98.489797679	mg/L	Mukhopadhyay,M.K., and S.K. Konar	358	1982 Effects of Iron on Fish and Aquatic Ecosystem	ENVPC (Indian Assoc. Water Pollut. Control) Tech. Annu.9:149-161	1982	Group:
7439-89-6	Iron	Not reported	NR	Oryzias latipes	Japanese Medaka	Fish; Standard Test Species		150	Eggs	Medula	Mineral	Measured	Fresh water	Lab		6	7	Day(s)	MATC	Morphology	Size	Eye	Total	69.31098926	00	mg/L	Chen,P.J., W.L. Wu, and K.C. W. Wu	3618	1980 Medaka Fish	Water Res.47:1899-1909	2013	Group:
7758-94-3	Iron chloride (FeCl3)	Analytical grade	NR	Salmo trutta	Brown Trout	Fish; Standard Test Species	NR	Day(s)	Alevin	Flow-through	Measured	Fresh water	Lab		21	30	Day(s)	MATC	Growth	Weight	Whole organism	Total	0.008978536	00	mg/L	Meador,J.P., N.C. Everall, M.D.J. Sayer, and R. Morris	4325	1984 The Effects of High Trace Metals in Acid Soft Water on Survival, Mineral Uptake and Skeletal Calcium Deposition in Yolk-Sac Fry of Brown Trout, Salmo trutta L.	J. Fish Biol.35:187-198	1984	Group: Sed conditions (soft acid/acid water)
300-54-9	Sulfuric acid, iron salt (3:7)	Not reported	NR	Euglena mutabilis	Flagellate Euglenoid	Algae	NR	Day(s)	Exponential growth phase (log)	Static	Unmeasured	Fresh water	Lab	NR	1	1	Day(s)	MOR	Population	Population growth rate	Not reported	Dissolved	11700	mg/L	Okunoye,M.M., and C. Nakwejkz	7643	1986 Euglena Species	Hydrobiologia(Netherl)132: 41-49	1986	Group: Sed conditions (soft acid/acid water) Acute Test

ATTACHMENT C.2
Lead SSD Data

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	301042	Acetic acid, Lead(2+) salt	Pimephales promelas	Fathead Minnow	Fish	-	S	M	FW	LAB		4 d	LC50	NR	MOR	mortality	T		28000	ug/L			40	48 mg/L CaCO3		7.2	7.9		2965	Curtis,M.W., and C.H. Ward	Aquatic Toxicity of Forty Industrial Chemicals: Testing in Support of Hazardous Substance Spill Prevention Regulation	J. Hydrol.51:359-367	1981	Drop: duration
Lead	598630	Lead(2+) salt carbamic acid (1:1)	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T	<	10000000	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	598630	Lead(2+) salt carbamic acid (1:1)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T	<	5000000	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	1314870	Lead sulfide	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	D		138	ug/L		246*	255*	mg/L CaCO3		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1314870	Lead sulfide	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	D		138	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	1314870	Lead sulfide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		564000	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1314870	Lead sulfide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		915	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	1314870	Lead sulfide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		915	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1314870	Lead sulfide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		3655000	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	1314870	Lead sulfide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		3665000	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1314870	Lead sulfide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		403000	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1317368	Lead oxide	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	D		132	ug/L		246*	255*	mg/L CaCO3		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1317368	Lead oxide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		298	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1317368	Lead oxide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		384100	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1317368	Lead oxide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		356200	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	1317368	Lead oxide	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		396300	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	EC25	DEC	MOR	survival	D		13	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	EC25	DEC	MOR	survival	D		29	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		35 d	EC25	DEC	MOR	survival	D		13	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		35 d	EC25	DEC	MOR	survival	D		18	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: "<"
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		35 d	EC25	DEC	REP	reproduction, general	D		3.3	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: "<"
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		35 d	EC25	DEC	REP	reproduction, general	D		2.8	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Keep
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	EC25	DEC	MOR	survival	D		16	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	EC25	DEC	MOR	survival	D		9.9	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	EC25	DEC	REP	reproduction, general	D	<	3.5	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: "<"
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	EC25	DEC	REP	reproduction, general	D		2.8	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Keep
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	EC25	DEC	GRO	length	D		23	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Keep
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	EC25	DEC	GRO	length	D		27	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Keep
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	EC25	DEC	GRO	length	D		28	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Keep
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	EC25	DEC	GRO	length	D		29	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Keep
Lead	7439921	Lead	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	DEC	MOR	survival	T		209	ug/L		16*	28*	mg/L CaCO3		6.6*	7.4*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: duration
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	LC50	INC	MOR	mortality	D		24	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	LC50	INC	MOR	mortality	D		29	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		35 d	LC50	INC	MOR	mortality	D		24	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	LC50	INC	MOR	mortality	D		16	ug/L		138		mg/L CaCO3	8.38				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		42 d	LC50	INC	MOR	mortality	D		24	ug/L		138		mg/L CaCO3	8.36				85436	Besser,J.M., W.G. Brumbaugh, E.L. Brunson, and C.G. Ingersoll	Acute and Chronic Toxicity of Lead in Water and Diet to the Amphipod Hyalella azteca	Environ. Toxicol. Chem.24(7): 1807-1815	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	-	F	M	FW	LAB		8 d	LC50	INC	MOR	mortality	T	<	16	ug/L				NR					14907	Phipps,G.L., V.R. Mattson, and G.T. Ankley	Relative Sensitivity of Three Freshwater Benthic Macroinvertebrates to Ten Contaminants	Arch. Environ. Contam. Toxicol.28(3): 281-286	1995	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	young organism	S	M	FW	LAB		7 d	LC50	INC	MOR	mortality	T		1	ug/L	18*			mg/L	7.39	6.44	8.52		80935	Borgmann,U., Y. Couillard, P. Doyle, and D.G. Dixon	Toxicity of Sixty-Three Metals and Metalloids to Hyalella azteca at Two Levels of Water Hardness	Environ. Toxicol. Chem.24(3): 641-652	2005	Drop: endpoint
Lead	7439921	Lead	Hyalella azteca	Scud	Aquatic invertebrate	young organism	S	M	FW	LAB		7 d	LC50	INC	MOR	mortality	T		11	ug/L	124*			mg/L	8.21	7.23	8.85		80935	Borgmann,U., Y. Couillard, P. Doyle, and D.G. Dixon	Toxicity of Sixty-Three Metals and Metalloids to Hyalella azteca at Two Levels of Water Hardness	Environ. Toxicol. Chem.24(3): 641-652	2005	Drop: endpoint
Lead	7439921	Lead	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		1 d	MATC	DEC	MOR	survival	T		226	ug/L		16*	28*	mg/L CaCO3		6.6*	7.4*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: duration
Lead	7439921	Lead	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		1 d	MATC	DEC	REP	progeny counts	T		107	ug/L	20*			mg/L CaCO3		6.3*	7.6*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: duration
Lead	7439921	Lead	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		1 d	MATC	DEC	REP	progeny counts	T		71	ug/L	20*			mg/L CaCO3		6.3*	7.6*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: duration
Lead	7439921	Lead	Salvelinus fontinalis	Brook Trout	Fish	-	R	M	FW	LAB		10 d	EC50	DEC	MOR	survival	T	>	3200	ug/L	20*			mg/L CaCO3		6.3*	7.6*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: endpoint
Lead	7439921	Lead	Salvelinus fontinalis	Brook Trout	Fish	-	R	M	FW	LAB		10 d	EC50	DEC	MOR	survival	T		1200	ug/L		16*	28*	mg/L CaCO3		6.6*	7.4*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: endpoint
Lead	7439921	Lead	Salvelinus fontinalis	Brook Trout	Fish	-	R	M	FW	LAB		10 d	MATC	DEC	MOR	survival	T		2332	ug/L	20*			mg/L CaCO3		6.3*	7.6*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: endpoint
Lead	7439921	Lead	Salvelinus fontinalis	Brook Trout	Fish	-	R	M	FW	LAB		10 d	MATC	DEC	MOR	survival	T		2608	ug/L		16*	28*	mg/L CaCO3		6.6*	7.4*		45106	Jop,K.M., A.M. Askew, and R.B. Foster	Development of a Water-Effect Ratio for Copper, Cadmium, and Lead for the Great Works River or Maine Using Ceriodaphnia dubia and Salvelinus fontinalis	Bull. Environ. Contam. Toxicol.54(1): 29-35	1995	Drop: endpoint
Lead	7439921	Lead	Carassius auratus	Goldfish	Fish	-	S	M	FW	LAB		4 d	LC50	NR	MOR	mortality	D		40800	ug/L	104*			mg/L CaCO3	7.8*				8988	Bolognani Fantin,A.M., A. Franchini, P. Trevisan, and A. Polezzoli	Histomorphological and Cytochemical Changes Induced in the Liver of Goldfish Carassius carassius var. auratus by Short-Term Exposure to Lead	Acta Histochem.92(2): 229-235	1992	Drop: duration
Lead	7439921	Lead	Lumbriculus variegatus	Oligochaete, Worm	Aquatic invertebrate	-	F	M	FW	LAB		10 d	LC50	INC	MOR	mortality	T		749	ug/L				NR					14907	Phipps,G.L., V.R. Mattson, and G.T. Ankley	Relative Sensitivity of Three Freshwater Benthic Macroinvertebrates to Ten Contaminants	Arch. Environ. Contam. Toxicol.28(3): 281-286	1995	Drop: duration
Lead	7446142	Lead(II) sulfate	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	D		392	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	7446142	Lead(II) sulfate	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	D		395	ug/L		246*	255*	mg/L CaCO3		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7446142	Lead(II) sulfate	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		140000	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail.10(2): 37-46	1998	Drop: duration
Lead	7446142	Lead(II) sulfate	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		140000	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7446142	Lead(II) sulfate	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		60800	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	7446142	Lead(II) sulfate	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		322100	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail. 10(2): 37-46	1998	Drop: duration
Lead	7446142	Lead(II) sulfate	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		322100	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7446142	Lead(II) sulfate	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		6240	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Ambystoma opacum	Marbled Salamander	Amphibians	egg	R	M	FW	LAB		8	d	LC50	NR	MOR	mortality	T		1460	ug/L		93	185	mg/L CaCO3					6190	Birge,W.J., J.E. Hudson, J.A. Black, and A.G. Westerman	Embryo-Larval Bioassays on Inorganic Coal Elements and In Situ Biomonitoring of Coal-Waste Effluents	In: Symp., U.S./Fish Wildl.Serv., Dec.5-6, 1978, Surface Mining Fish Wildl.needs in Eastern U.S., WV-97-104	1978	Drop: Birge
Lead	7758954	Lead chloride (PbCl2)	Gastrophryne carolinensis	Eastern Narrow-Mouthed Toad	Amphibians	egg	R	M	FW	LAB		7	d	LC50	INC	MOR	mortality	T		40	ug/L		195		mg/L CaCO3		7.4			5305	Birge,W.J.	Aquatic Toxicology of Trace Elements of Coal and Fly Ash	In: J.H.Thorp and J.W.Gibbons (Eds.), Dep.Energy Symp.Ser., Energy and Environmental Stress in Aquatic Systems, Augusta, GA48:210-240	1978	Drop: Birge
Lead	7758954	Lead chloride (PbCl2)	Austropotamobius pallipes	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		30	d	LC50*	NR	MOR	mortality	T		1300	ug/L				NR		7			5421	Boutet,C., and C. Chaisemartin	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	C. R. Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Drop: mortality
Lead	7758954	Lead chloride (PbCl2)	Austropotamobius pallipes	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		30	d	LC50*	NR	MOR	mortality	T		900	ug/L				NR		7			5421	Boutet,C., and C. Chaisemartin	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	C. R. Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Drop: mortality
Lead	7758954	Lead chloride (PbCl2)	Austropotamobius pallipes	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		4	d	LC50*	NR	MOR	mortality	T		2600	ug/L				NR		7			5421	Boutet,C., and C. Chaisemartin	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	C. R. Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		1	d	LC50	INC	MOR	mortality	T		265	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		2	d	LC50	INC	MOR	mortality	T		194	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		3	d	LC50	INC	MOR	mortality	T		148	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		123	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		5	d	LC50	INC	MOR	mortality	T		95	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		6	d	LC50	INC	MOR	mortality	T		76	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		7	d	LC50	INC	MOR	mortality	T		69	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		8	d	LC50	INC	MOR	mortality	T		55	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Macrobrachium lanchesteri	Riceland Prawn	Aquatic invertebrate	adult	R	M	FW	LAB		9	d	LC50	INC	MOR	mortality	T		41	ug/L		3.9		mg/L CaCO3		6.82			100582	Othman,M.S., and M.N. Azwa	Acute Toxicity and Bioaccumulation of Zinc and Lead in the Freshwater Prawn Macrobrachium lanchesteri	Malays. J. Sci.23(2): 11-18	2004	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Orconectes limosus	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		30	d	LC50*	NR	MOR	mortality	T		1700	ug/L				NR		7			5421	Boutet,C., and C. Chaisemartin	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	C. R. Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Drop: mortality
Lead	7758954	Lead chloride (PbCl2)	Orconectes limosus	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		30	d	LC50*	NR	MOR	mortality	T		900	ug/L				NR		7			5421	Boutet,C., and C. Chaisemartin	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	C. R. Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Drop: mortality
Lead	7758954	Lead chloride (PbCl2)	Orconectes limosus	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		4	d	LC50*	NR	MOR	mortality	T		3300	ug/L				NR		7			5421	Boutet,C., and C. Chaisemartin	Specific Toxic Properties of Metallic Salts in Austro-potamobius pallipes pallipes and Orconectes limosus (Proprietes Toxiques Specifiques des sels Metalliques chez Austropotamobius pallipes pallipes et Orconectes limosus	C. R. Seances Soc. Biol. Fil.167(12): 1933-1938	1973	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	NR	M	FW	LAB		2	d	LC50	NR	MOR	mortality	T	>	2700	ug/L		288	300	mg/L CaCO3		7	7.89		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	NR	M	FW	LAB		2	d	LC50	NR	MOR	mortality	T	>	2700	ug/L		288	300	mg/L CaCO3		7.84	8		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Ceriodaphnia dubia	Water Flea	Aquatic invertebrate	-	NR	M	FW	LAB		2	d	LC50	NR	MOR	mortality	T	>	280	ug/L		288	300	mg/L CaCO3		6	6.35		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2	d	LC50	INC	MOR	mortality	D		168	ug/L		246*	255*	mg/L CaCO3		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Daphnia magna	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2	d	LC50	INC	MOR	mortality	D		168	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail. 10(2): 37-46	1998	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	adult	R	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		216	uM	130*			mg/L		7.8*	8.6*		18230	MacLean,R.S., U. Borgmann, and D.G. Dixon	Bioaccumulation Kinetics and Toxicity of Lead in Hyalella azteca (Crustacea, Amphipoda)	Can. J. Fish. Aquat. Sci.53(10): 2212-2220	1996	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	-	NR	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T	>	90	ug/L		288	300	mg/L CaCO3		6	6.35		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	-	NR	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T	>	5400	ug/L		288	300	mg/L CaCO3		7	7.15		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	-	NR	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T	>	5400	ug/L		288	300	mg/L CaCO3		7.8	8		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	-	R	M	FW	LAB		8	d	LC50	INC	MOR	mortality	T		114	uM	130*			mg/L		7.8*	8.6*		18230	MacLean,R.S., U. Borgmann, and D.G. Dixon	Bioaccumulation Kinetics and Toxicity of Lead in Hyalella azteca (Crustacea, Amphipoda)	Can. J. Fish. Aquat. Sci.53(10): 2212-2220	1996	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	-	R	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		132	uM	130*			mg/L		7.8*	8.6*		18230	MacLean,R.S., U. Borgmann, and D.G. Dixon	Bioaccumulation Kinetics and Toxicity of Lead in Hyalella azteca (Crustacea, Amphipoda)	Can. J. Fish. Aquat. Sci.53(10): 2212-2220	1996	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	Hyalella azteca	Scud	Aquatic invertebrate	young organism	R	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		97.3	uM	130*			mg/L		7.8*	8.6*		18230	MacLean,R.S., U. Borgmann, and D.G. Dixon	Bioaccumulation Kinetics and Toxicity of Lead in Hyalella azteca (Crustacea, Amphipoda)	Can. J. Fish. Aquat. Sci.53(10): 2212-2220	1996	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	Micropterus salmoides	Largemouth Bass	Fish	egg	R	M	FW	LAB		8	d	LC50	NR	MOR	mortality	T		240	ug/L		93	185	mg/L CaCO3		7.2	7.8		6190	Birge,W.J., J.E. Hudson, J.A. Black, and A.G. Westerman	Embryo-Larval Bioassays on Inorganic Coal Elements and In Situ Biomonitoring of Coal-Waste Effluents	In: Symp., U.S./Fish Wildl.Serv., Dec.5-6, 1978, Surface Mining Fish Wildl.needs in Eastern U.S., WV-97-104	1978	Drop: Birge
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		12300	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail. 10(2): 37-46	1998	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		12500	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		333300	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		272300	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		341400	ug/L				NR		7.5	9.1		76100	Erten-Unal,M., B.G. Wixson, N. Gale, and J.L. Pitt	Evaluation of Toxicity, Bioavailability and Speciation of Lead, Zinc and Cadmium in Mine/Mill Wastewaters	Chem. Spec. Bioavail. 10(2): 37-46	1998	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	neonate	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		341400	ug/L				NR		7.5	9.1		9180	Gale,N.L., B.G. Wixson, and M. Erten	An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater	Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health25:169-183	1992	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	-	NR	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T	>	5400	ug/L		288	300	mg/L CaCO3		7	7.15		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	Pimephales promelas	Fathead Minnow	Fish	-	NR	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T	>	5400	ug/L		288	300	mg/L CaCO3		8.17	8.52		7289	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	7758954	Lead chloride (PbCl2)	*Pimephales promelas*	Fathead Minnow	Fish	-	NR	M	FW	LAB	4	d	LC50	NR	MOR	mortality	T			816	ug/L CaCO3		288	300	mg/L CaCO3	7.2	6	6.58		72893	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	EC10	DEC	MOR	survival	D			108	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	EC10	DEC	MOR	survival	D			26	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	EC10	DEC	GRO	weight gain	D			7	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	EC10	DEC	GRO	length	D	=		87	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	EC10	DEC	GRO	length	D			64	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	EC10	DEC	GRO	weight	D			39	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC10	DEC	MOR	survival	D			108	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC10	DEC	MOR	survival	D			26	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC10	DEC	MOR	survival	D			62	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC10	DEC	GRO	length	D	=		87	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC10	DEC	GRO	length	D			12	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC10	DEC	GRO	weight	D			7	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC10	DEC	GRO	length	D			64	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC10	DEC	GRO	weight	D			39	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	EC20	DEC	MOR	survival	D			113	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	EC20	DEC	MOR	survival	D			34	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	EC20	DEC	GRO	weight gain	D	=		87	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	EC20	DEC	GRO	length	D	=		87	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	EC20	DEC	GRO	length	D			98	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	EC20	DEC	GRO	weight	D			55	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC20	DEC	MOR	survival	D			113	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC20	DEC	MOR	survival	D			34	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC20	DEC	GRO	length	D	=		87	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	EC20	DEC	GRO	weight	D	=		87	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC20	DEC	GRO	length	D			98	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	EC20	DEC	GRO	weight	D			55	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	LC50	DEC	MOR	survival	D			120	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	LC50	DEC	MOR	survival	D			53	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	R	M	FW	LAB	28	d	LC50	INC	MOR	mortality	T			185	ug/L CaCO3	104			mg/L CaCO3	7.4				5305	Birge,W.J.	Aquatic Toxicology of Trace Elements of Coal and Fly Ash	In: J.H.Thorp and J.W.Gibbons (Eds.), Den.Energy Symp.Ser., Energy and Environmental Stress in Aquatic Systems, Augusta, GA:48:219-240	1978	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	R	M	FW	LAB	28	d	LC50	NR	MOR	mortality	T			180	ug/L CaCO3		93	105	mg/L CaCO3		7.2	7.8		6199	Birge,W.J., J.E. Hudson, J.A. Black, and A.G. Westerman	Embryo-Larval Bioassays on Inorganic Coal Elements and In Situ Biomonitoring of Coal-Waste Effluents	In: Symp., U.S.Fish Wildl.Serv., Dec.3-6, 1978, Surface Mining Fish Wildl.needs in Eastern U.S., WV:97-104	1978	Drop: Birge
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	swim-up	R	M	FW	LAB	4	d	LC50	INC	MOR	mortality	D			120	ug/L				NR					97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	swim-up	R	M	FW	LAB	4	d	LC50	INC	MOR	mortality	D			133	ug/L				NR					97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	MATC	DEC	MOR	survival	D			104	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	MATC	DEC	MOR	survival	D			36	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	MATC	DEC	GRO	weight gain	D			57	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	62	d	MATC	DEC	GRO	length	D			12	ug/L	29.4			mg/L CaCO3	7.19				97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	MATC	DEC	GRO	length	D			88	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	egg	F	M	FW	LAB	69	d	MATC	DEC	GRO	weight	D			36	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	MATC	DEC	MOR	survival	D			104	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	MATC	DEC	MOR	survival	D			36	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: endpoint
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	MATC	DEC	GRO	length	D			12	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	62	d	MATC	DEC	GRO	weight	D			57	ug/L	29.4			mg/L CaCO3	7.19				111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	MATC	DEC	GRO	length	D			88	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB	69	d	MATC	DEC	GRO	weight	D			36	ug/L	19.7	17	21	mg/L CaCO3	6.75	5	7.7		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Carassius auratus*	Goldfish	Fish	egg	R	M	FW	LAB	7	d	LC50	INC	MOR	mortality	T			1660	ug/L	195			mg/L CaCO3	7.4				5305	Birge,W.J.	Aquatic Toxicology of Trace Elements of Coal and Fly Ash	In: J.H.Thorp and J.W.Gibbons (Eds.), Den.Energy Symp.Ser., Energy and Environmental Stress in Aquatic Systems, Augusta, GA:48:219-240	1978	Drop: Birge
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC10	DEC	DVP	molting	D			37	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC10	DEC	MOR	survival	D			105	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		97672	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC10	DEC	DVP	molting	D			37	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		111766	Mebane,C.A., D.P. Hennessey, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ration for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC10	DEC	DVP	molting	D		88	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC10	DEC	MOR	survival	D		169	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC10	DEC	REP	fecundity	D	=	152	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC10	DEC	REP	fecundity	D	=	152	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	55	d	EC10	DEC	DVP	emergence	D		28	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	55	d	EC10	DEC	DVP	emergence	D		28	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC10	DEC	GRO	weight	D		15	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC10	DEC	GRO	weight	D		87	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC10	DEC	GRO	weight	D		15	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC20	DEC	DVP	molting	D		66	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC20	DEC	MOR	survival	D		230	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC20	DEC	DVP	molting	D		66	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	EC20	DEC	MOR	survival	D		230	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC20	DEC	REP	fecundity	D	=	152	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC20	DEC	REP	fecundity	D	=	152	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	55	d	EC20	DEC	DVP	emergence	D		55	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	55	d	EC20	DEC	DVP	emergence	D		53	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: duplicate
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC20	DEC	GRO	weight	D		28	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	28	d	EC20	DEC	GRO	weight	D		28	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	10	d	LC50	DEC	MOR	mortality	D		333	ug/L	20.7	20	21	mg/L CaCO3	6.64	6.4	6.9		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB	4	d	LC50	INC	MOR	mortality	D		464	ug/L				NR					97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	adult	R	M	FW	LAB	4	d	LC50	INC	MOR	mortality	D		3323	ug/L				NR					97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB	20	d	LC50	NR	MOR	survival	D	=	152	ug/L	32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		14200	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		14200	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		18249	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		22600	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		37850	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		37850	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		37850	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		47850	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		47850	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		500	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		500	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		600	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		600	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		600	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		600	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		700	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		700	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		700	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		700	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		8300	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		900	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		900	ug/L				NR					115860	Vedamanikam,V.J., and N.A.M. Shazili	The Chironomid Larval Tube, a Mechanism to Protect the Organism from Environmental Disturbances?	Toxicol. Environ. Chem.:91(1): 171-176	2009	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		900	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		900	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Chironomus plumosus*	Midge	Aquatic invertebrate	larva	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		9500	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Shazili	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		300	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		357	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		400	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		400	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		405	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		405	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		406	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		500	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		500	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Culicoides furens*	Little Grey Punkie	Aquatic invertebrate	larva	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		700	ug/L				NR					107050	Vedamanikam,V.J., and N.A.M. Sharifi	Comparative Toxicity of Nine Metals to Two Malaysian Aquatic Dipterian Larvae with Reference to Temperature Variation	Bull. Environ. Contam. Toxicol.80(6): 516-520	2008	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Leptophlebia marginata*	Mayfly	Aquatic invertebrate	nymphs	R	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T	-	5000	ug/L				NR	6.5		6.7		17273	Gerhardt,A.	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Leptophlebia marginata*	Mayfly	Aquatic invertebrate	nymphs	R	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		1090	ug/L				NR	4.6		4.9		17273	Gerhardt,A.	Short Term Toxicity of Iron (Fe) and Lead (Pb) to the Mayfly Leptophlebia marginata (L.) (Insecta) in Relation to Freshwater Acidification	Hydrobiologia284(2): 157-168	1994	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB		10 d	MATC	DEC	DVP	molting	D		130	ug/L		20.7	28	21	mg/L CaCO3	6.64	6.4	6.8		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB		10 d	MATC	DEC	MOR	survival	D		279	ug/L		20.7	28	21	mg/L CaCO3	6.64	6.4	6.8		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Insects/Spiders	larva	R	M	FW	LAB		10 d	MATC	DEC	DVP	molting	D		130	ug/L		20.7	28	21	mg/L CaCO3	6.64	6.4	6.8		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Keep
Lead	7758954	Lead chloride (PbCl2)	*Baetis tricaudatus*	Mayfly	Aquatic invertebrate	larva	R	M	FW	LAB		10 d	MATC	DEC	MOR	survival	D		279	ug/L		20.7	28	21	mg/L CaCO3	6.64	6.4	6.8		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		28 d	MATC	NR	MOR	survival	D	-	152	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		28 d	MATC	NR	REP	fecundity	D	=	152	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		28 d	MATC	DEC	MOR	survival	D	-	152	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: survival
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		28 d	MATC	DEC	REP	fecundity	D	-	152	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		55 d	MATC	DEC	DVP	emergence	D		121	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		55 d	MATC	DEC	DVP	emergence	D		121	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		28 d	MATC	DEC	GRO	weight	D		65	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		97672	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.:21 p.	2007	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chironomus dilutus*	Midge	Aquatic invertebrate	larva	R	M	FW	LAB		28 d	MATC	DEC	GRO	weight	D		65	ug/L		32	27	35	mg/L CaCO3	7.26	6.9	7.7		111766	Mebane,C.A., D.P. Hennessy, and F.S. Dillon	Developing Acute-to-Chronic Toxicity Ratios for Lead, Cadmium, and Zinc Using Rainbow Trout, a Mayfly, and a Midge	Water Air Soil Pollut.188(1-4): 41-66	2008	Drop: for EC10/EC20
Lead	7758954	Lead chloride (PbCl2)	*Chilodonella uncinata*	Ciliate	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	T	-	1500	ug/L				NR	7.6				16363	Madoni,P., D. Davoli, G. Gorbi, and L. Vescovi	Toxic Effect of Heavy Metals on the Activated Sludge Protozoan Community	Water Res.30(1): 135-141	1996	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Euplotes sp.*	Ciliate	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	T	<	1500	ug/L				NR	7.6				16363	Madoni,P., D. Davoli, G. Gorbi, and L. Vescovi	Toxic Effect of Heavy Metals on the Activated Sludge Protozoan Community	Water Res.30(1): 135-141	1996	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Opercularia coarctata*	Ciliate	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	T	-	3200	ug/L				NR	7.6				16363	Madoni,P., D. Davoli, G. Gorbi, and L. Vescovi	Toxic Effect of Heavy Metals on the Activated Sludge Protozoan Community	Water Res.30(1): 135-141	1996	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Opercularia minima*	Ciliate	Invertebrates	-	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	T	-	3000	ug/L				NR	7.6				16363	Madoni,P., D. Davoli, G. Gorbi, and L. Vescovi	Toxic Effect of Heavy Metals on the Activated Sludge Protozoan Community	Water Res.30(1): 135-141	1996	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Vorticella convallaria*	Ciliate	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	T	-	2290	ug/L				NR	7.6				16363	Madoni,P., D. Davoli, G. Gorbi, and L. Vescovi	Toxic Effect of Heavy Metals on the Activated Sludge Protozoan Community	Water Res.30(1): 135-141	1996	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Vorticella sp.*	Ciliate	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	T	-	2810	ug/L				NR	7.6				16363	Madoni,P., D. Davoli, G. Gorbi, and L. Vescovi	Toxic Effect of Heavy Metals on the Activated Sludge Protozoan Community	Water Res.30(1): 135-141	1996	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Caenorhabditis elegans*	Nematode	Aquatic invertebrate	adult	S	M	FW	LAB		1 d	LC50	INC	MOR	mortality	L		0.47	mmol/L				NR					18640	Yatsu,C.P., M.C. Newman, J.T. McCloskey, and P.L. Williams	Predicting Relative Metal Toxicity with Ion Characteristics: Caenorhabditis elegans LC50	Aquat. Toxicol.39(3-4): 279-290	1997	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Lumbriculus variegatus*	Oligochaete, Worm	Aquatic invertebrate	adult	NR	M	FW	LAB		4 d	LC50	NR	MOR	mortality	T	-	8000	ug/L		288	300	mg/L CaCO3		6	6.95		7280	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Lumbriculus variegatus*	Oligochaete, Worm	Aquatic invertebrate	adult	NR	M	FW	LAB		4 d	LC50	NR	MOR	mortality	T	-	8000	ug/L		288	300	mg/L CaCO3		7	7.15		7280	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	7758954	Lead chloride (PbCl2)	*Lumbriculus variegatus*	Oligochaete, Worm	Aquatic invertebrate	adult	NR	M	FW	LAB		4 d	LC50	NR	MOR	mortality	T	-	8000	ug/L		288	300	mg/L CaCO3		8.17	8.32		7280	Schubauer-Berigan,M.K., J.R. Dierkes, P.D. Monson, and G.T. Ankley	pH-Dependent Toxicity of Cd, Cu, Ni, Pb and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella azteca and Lumbriculus variegatus	Environ. Toxicol. Chem.12:1261-1266	1993	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Asellus meridianus*	Sowbug	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		1000	ug/L	25*			mg/L CaCO3					17690	Brown,B.E.	Observations on the Tolerance of the Isopod Asellus meridianus Rac. to Copper and Lead	Water Res.10:555-559	1976	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Asellus meridianus*	Sowbug	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		1750	ug/L	25*			mg/L CaCO3					17690	Brown,B.E.	Observations on the Tolerance of the Isopod Asellus meridianus Rac. to Copper and Lead	Water Res.10:555-559	1976	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Asellus meridianus*	Sowbug	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		280	ug/L	25*			mg/L CaCO3					17690	Brown,B.E.	Observations on the Tolerance of the Isopod Asellus meridianus Rac. to Copper and Lead	Water Res.10:555-559	1976	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Asellus meridianus*	Sowbug	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		2800	ug/L	25*			mg/L CaCO3					17690	Brown,B.E.	Observations on the Tolerance of the Isopod Asellus meridianus Rac. to Copper and Lead	Water Res.10:555-559	1976	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Asellus meridianus*	Sowbug	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		3500	ug/L	25*			mg/L CaCO3					17690	Brown,B.E.	Observations on the Tolerance of the Isopod Asellus meridianus Rac. to Copper and Lead	Water Res.10:555-559	1976	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	NR	MOR	mortality	D		1270	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	NR	MOR	mortality	D		1400	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	NR	MOR	mortality	D		780	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		1 d	LC50	NR	MOR	mortality	D		910	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	D		1010	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	D		1160	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	D		770	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	D		840	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	NR	MOR	mortality	D		420	ug/L				NR					15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Lac.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	NR	MOR	mortality	D		530	ug/L				NR				15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Ler.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	NR	MOR	mortality	D		740	ug/L				NR				15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Ler.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Austropotamobius pallipes*	Crayfish	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	NR	MOR	mortality	D		800	ug/L				NR				15732	Varcille-Morel,C., and C. Chaisemartin	Natural Tolerance and Acclimation of Different Populations of Austropotamobius pallipes (Ler.) to Heavy Metals (Chromium and Lead)	Acta Oecol. Oecol. Appl.3(1): 105-122	1982	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Daphnia carinata*	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		444	ug/L	82.4			mg/L CaCO3	7.5				115778	Cooper,N.L., J.R. Bidwell, and A. Kumar	Toxicity of Copper, Lead, and Zinc Mixtures to Ceriodaphnia dubia and Daphnia carinata	Ecotoxicol. Environ. Saf.72:1523-1528	2009	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Procambarus clarkii*	Red Swamp Crayfish	Aquatic invertebrate	juvenile	R	M	FW	LAB		4 d	LC50	NR	MOR	mortality	T		751570	ug/L	30.32			mg/L CaCO3		7	7.8		69357	Naqvi,S.M., and R.D. Howell	Toxicity of Cadmium and Lead to Juvenile Red Swamp Crayfish, Procambarus clarkii, and Effects on Fecundity of Adults	Bull. Environ. Contam. Toxicol.51:303-308	1993	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Ceriodaphnia dubia*	Water Flea	Aquatic invertebrate	neonate	R	M	FW	LAB		7 d	EC50	DEC	REP	progeny counts	T		5.1	ug/L	82.4			mg/L CaCO3	7.5				115778	Cooper,N.L., J.R. Bidwell, and A. Kumar	Toxicity of Copper, Lead, and Zinc Mixtures to Ceriodaphnia dubia and Daphnia carinata	Ecotoxicol. Environ. Saf.72:1523-1528	2009	Drop: for EC20
Lead	10099748	Nitric acid, Lead (2+) salt	*Ceriodaphnia dubia*	Water Flea	Aquatic invertebrate	-	R	M	FW	LAB		7 d	EC50	DEC	REP	progeny counts	D		269	ug/L	100			mg/L CaCO3	8.2	8	8.5		12093	Spehar,R.L., and J.T. Fiandt	Acute and Chronic Effects of Water Quality Criteria-Based Metal Mixtures on Three Aquatic Species	Environ. Toxicol. Chem.5(10): 917-931	1986	Drop: for EC20
Lead	10099748	Nitric acid, Lead (2+) salt	*Ceriodaphnia dubia*	Water Flea	Aquatic invertebrate	neonate	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	T		208.8	ug/L	82.4			mg/L CaCO3	7.5				115778	Cooper,N.L., J.R. Bidwell, and A. Kumar	Toxicity of Copper, Lead, and Zinc Mixtures to Ceriodaphnia dubia and Daphnia carinata	Ecotoxicol. Environ. Saf.72:1523-1528	2009	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Ceriodaphnia dubia*	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	INC	MOR	mortality	D		248	ug/L	100			mg/L CaCO3	8.2	8	8.5		12093	Spehar,R.L., and J.T. Fiandt	Acute and Chronic Effects of Water Quality Criteria-Based Metal Mixtures on Three Aquatic Species	Environ. Toxicol. Chem.5(10): 917-931	1986	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Daphnia magna*	Water Flea	Aquatic invertebrate	neonate	R	M	FW	LAB		21 d	LC50	INC	MOR	mortality	D		1805	ug/L	225			mg/L CaCO3	8.1				45212	Steenbi,F.E., J.L. Maas-Diepeveen, and C.J. Van Leeuwen	Combined Effects of Metals: An Ecotoxicological Evaluation	Water Res.25(6): 679-687	1991	Drop: for EC20
Lead	10099748	Nitric acid, Lead (2+) salt	*Daphnia magna*	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	T	=	31650	ug/L	206			mg/L CaCO3	8.4				3621	Chapman,G.A., S. Ota, and F. Recht	Effects of Water Hardness on the Toxicity of Metals to Daphnia magna	U.S.EPA, Corvallis, OR:17 p.	1980	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Daphnia magna*	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	T		1580	ug/L	152			mg/L CaCO3	8.3				3621	Chapman,G.A., S. Ota, and F. Recht	Effects of Water Hardness on the Toxicity of Metals to Daphnia magna	U.S.EPA, Corvallis, OR:17 p.	1980	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Daphnia magna*	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	T		517	ug/L	54			mg/L CaCO3	7.6				3621	Chapman,G.A., S. Ota, and F. Recht	Effects of Water Hardness on the Toxicity of Metals to Daphnia magna	U.S.EPA, Corvallis, OR:17 p.	1980	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Daphnia magna*	Water Flea	Aquatic invertebrate	-	S	M	FW	LAB		2 d	LC50	NR	MOR	mortality	T		843	ug/L	110			mg/L CaCO3	8.1				3621	Chapman,G.A., S. Ota, and F. Recht	Effects of Water Hardness on the Toxicity of Metals to Daphnia magna	U.S.EPA, Corvallis, OR:17 p.	1980	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate	-	F	M	FW	LAB		2 d	LC50	NR	MOR	mortality	T		275	ug/L	48.3			mg/L CaCO3	6.5				10579	Call,D.J., L.T. Brooke, N. Ahmad, and J.E. Richter	Toxicity and Metabolism Studies with EPA (Environmental Protection Agency) Priority Pollutants and Related Chemicals in Freshwater Organisms	EPA 600/3-83-095, U.S.EPA, Duluth, MN:120 p.	1983	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate	-	F	M	FW	LAB		28 d	LC50	NR	ITX	immobile	T		28.4	ug/L			46	48 mg/L CaCO3		7.1	7.7		2108	Spehar,R.L., R.L. Anderson, and J.T. Fiandt	Toxicity and Bioaccumulation of Cadmium and Lead in Aquatic Invertebrates	Environ. Pollut.15(3): 195-208	1978	Drop: mortality
Lead	10099748	Nitric acid, Lead (2+) salt	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate	-	F	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		140	ug/L	48.3			mg/L CaCO3	6.5				10579	Call,D.J., L.T. Brooke, N. Ahmad, and J.E. Richter	Toxicity and Metabolism Studies with EPA (Environmental Protection Agency) Priority Pollutants and Related Chemicals in Freshwater Organisms	EPA 600/3-83-095, U.S.EPA, Duluth, MN:120 p.	1983	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate	-	F	M	FW	LAB		4 d	LC50	NR	ITX	immobile	T		124	ug/L			46	48 mg/L CaCO3		7.1	7.7		2108	Spehar,R.L., R.L. Anderson, and J.T. Fiandt	Toxicity and Bioaccumulation of Cadmium and Lead in Aquatic Invertebrates	Environ. Pollut.15(3): 195-208	1978	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Hyalella azteca*	Scud	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		35	ug/L				NR	5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Hyalella azteca*	Scud	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		18	ug/L				NR	6				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Hyalella azteca*	Scud	Aquatic invertebrate	-	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	T		21	ug/L				NR	5.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Ceriodaphnia dubia*	Water Flea	Aquatic invertebrate	-	R	M	FW	LAB		7 d	MATC	DEC	REP	progeny counts	D		52	ug/L	100			mg/L CaCO3	8.2	8	8.5		12093	Spehar,R.L., and J.T. Fiandt	Acute and Chronic Effects of Water Quality Criteria-Based Metal Mixtures on Three Aquatic Species	Environ. Toxicol. Chem.5(10): 917-931	1986	Keep
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1190	ug/L	120			mg/L CaCO3	7.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1350	ug/L	58			mg/L CaCO3	7.6				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1400	ug/L	280			mg/L CaCO3	7.8				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1410	ug/L	720			mg/L CaCO3	7.9				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1440	ug/L	280			mg/L CaCO3	7.8				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1470	ug/L	720			mg/L CaCO3	7.9				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1580	ug/L	170			mg/L CaCO3	7.7				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1780	ug/L	90			mg/L CaCO3	7.7				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1890	ug/L	170			mg/L CaCO3	7.7				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		249	ug/L	120			mg/L CaCO3	11.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		3530	ug/L	120			mg/L CaCO3	6.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		390	ug/L	120			mg/L CaCO3	10.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		570	ug/L	120			mg/L CaCO3	9.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Carp	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		910	ug/L	120			mg/L CaCO3	8.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1040	ug/L	58			mg/L CaCO3	7.6				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1090	ug/L	720			mg/L CaCO3	7.9				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1140	ug/L	280			mg/L CaCO3	7.8				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4 d	LC50	INC	MOR	mortality	D		1180	ug/L	720			mg/L CaCO3	7.9				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		1240	ug/L	170			mg/L CaCO3	7.7				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		1260	ug/L	280			mg/L CaCO3	7.8				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		1450	ug/L	90			mg/L CaCO3	7.7				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		1460	ug/L	170			mg/L CaCO3	7.7				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		170	ug/L	120			mg/L CaCO3	10.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		2210	ug/L	120			mg/L CaCO3	6.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		260	ug/L	120			mg/L CaCO3	9.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		580	ug/L	120			mg/L CaCO3	8.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		90	ug/L	120			mg/L CaCO3	11.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Gibelion catla*	Catla	Fish	fry	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		970	ug/L	120			mg/L CaCO3	7.3				83032	Dutta,S., and R.C. Das	Influence of Some Abiotic Environmental Factors on Acute Toxicity of Inorganic Lead to Cyprinus carpio var communis (Linn.) and Catla catla (Ham.) in Simulated Toxic Aquatic Environment	Toxicol. Environ. Chem.85(4-6): 203-219	2003	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pimephales promelas*	Fathead Minnow	Fish	-	F	M	FW	LAB		32	d	EC50	DEC	GRO	weight	D		331	ug/L	43.9			mg/L CaCO3	7.4	6	8.1		12095	Spehar,R.L., and J.T. Fiandt	Acute and Chronic Effects of Water Quality Criteria-Based Metal Mixtures on Three Aquatic Species	Environ. Toxicol. Chem.5(10): 917-931	1986	Drop: for EC20
Lead	10099748	Nitric acid, Lead (2+) salt	*Pimephales promelas*	Fathead Minnow	Fish	-	F	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		2100	ug/L	43.9			mg/L CaCO3	7.4	6	8.1		12095	Spehar,R.L., and J.T. Fiandt	Acute and Chronic Effects of Water Quality Criteria-Based Metal Mixtures on Three Aquatic Species	Environ. Toxicol. Chem.5(10): 917-931	1986	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Salvelinus fontinalis*	Brook Trout	Fish	mix	F	M	FW	LAB		266	d	MATC	NR	GRO	growth general	D		NR	ug/L	44.3	42	48	mg/L CaCO3		6.8	7.6		2102	Holcombe,G.W., D.A. Benoit, E.N. Leonard, and J.M. McKim	Long-Term Effects of Lead Exposure on Three Generations of Brook Trout (Salvelinus fontinalis)	J. Fish. Res. Board Can.33(8): 1731-1741	1976	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Salvelinus fontinalis*	Brook Trout	Fish	yearling	F	M	FW	LAB		40	d	MATC	NR	MOR	mortality	T		NR	ug/L				NR		7.6	8.1		12977	Eng,Y., and E.T. Garside	Preexposure and Subsequent Resistance to Lead in Yearling Brook Trout, Salvelinus fontinalis	Can. J. Fish. Aquat. Sci.44(5):1089-1091	1987	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Common Carp	Fish	juvenile	R	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T		1330	ug/L				NR	7.1				7085	Alam,M.K., and O.E. Maughan	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Common Carp	Fish	juvenile	R	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T		440	ug/L				NR	7.1				7085	Alam,M.K., and O.E. Maughan	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Common Carp	Fish	juvenile	R	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T		805	ug/L				NR	7.1				7085	Alam,M.K., and O.E. Maughan	The Effect of Malathion, Diazinon, and Various Concentrations of Zinc, Copper, Nickel, Lead, Iron, and Mercury on Fish	Biol. Trace Elem. Res.34(3): 225-236	1992	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Common Carp	Fish	-	R	M	FW	LAB		1	d	LC50	NR	MOR	mortality	T	310*		ug/L	115			mg/L CaCO3	7.5				2077	Rao,T.S., M.S. Rao, and S.B.S.K. Prasad	Median Tolerance Limits of Some Chemicals to the Fresh Water Fish "Cyprinus carpio"	Indian J. Environ. Health17(2): 140-146	1975	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Common Carp	Fish	-	R	M	FW	LAB		2	d	LC50	NR	MOR	mortality	T	240*		ug/L	115			mg/L CaCO3	7.5				2077	Rao,T.S., M.S. Rao, and S.B.S.K. Prasad	Median Tolerance Limits of Some Chemicals to the Fresh Water Fish "Cyprinus carpio"	Indian J. Environ. Health17(2): 140-146	1975	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Cyprinus carpio*	Common Carp	Fish	-	R	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T	170*		ug/L	115			mg/L CaCO3	7.5				2077	Rao,T.S., M.S. Rao, and S.B.S.K. Prasad	Median Tolerance Limits of Some Chemicals to the Fresh Water Fish "Cyprinus carpio"	Indian J. Environ. Health17(2): 140-146	1975	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	F	M	FW	LAB		14	d	LC50	NR	MOR	mortality	D		209	ug/L	30			mg/L CaCO3	6.85				2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	F	M	FW	LAB		30	d	LC50*	NR	MOR	mortality	T		140	ug/L	30			mg/L CaCO3	6.85				8813	Davies,P.H., and W.H. Everhart	Effects of Chemical Variations in Aquatic Environments: Vol. III Lead Toxicity to Rainbow Trout and Testing Application Factor Concept	EPA-R3-73-01 3C, U.S.EPA, Washington, D.C.:80 p.	1973	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	F	M	FW	LAB		21	d	LC50	NR	MOR	mortality	T		2400	ug/L	135			mg/L CaCO3	7.7				8365	Hodson,P.V., B.R. Blunt, and D.J. Spry	Chronic Toxicity of Water-Borne and Dietary Lead to Rainbow Trout (Salmo gairdneri) in Lake Ontario Water	Water Res.12(10): 869-878	1978	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	F	M	FW	LAB		4	d	LC50	NEF	MOR	mortality	T		1170	ug/L	32			mg/L	6.85				285	Goettl,J.P.,Jr., J.R. Sinley, and P.H. Davies	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-8, DNR, Boulder, CO:96 p.	1974	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	F	M	FW	LAB		4	d	LC50	NR	MOR	mortality	D		1170	ug/L	32			mg/L CaCO3	6.85				2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	D		1320	ug/L	385			mg/L	8.15				285	Goettl,J.P.,Jr., J.R. Sinley, and P.H. Davies	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-8, DNR, Boulder, CO:96 p.	1974	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	S	M	FW	LAB		4	d	LC50	NR	MOR	mortality	D		1320	ug/L	385			mg/L CaCO3	8.15				2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	S	M	FW	LAB		4	d	LC50	NR	MOR	mortality	D		1470	ug/L	290			mg/L CaCO3	8.78				2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	S	M	FW	LAB		4	d	LC50*	NR	MOR	mortality	D		1380	ug/L		290	300	mg/L CaCO3		6.89	8.78		8813	Davies,P.H., and W.H. Everhart	Effects of Chemical Variations in Aquatic Environments: Vol. III Lead Toxicity to Rainbow Trout and Testing Application Factor Concept	EPA-R3-73-01 3C, U.S.EPA, Washington, D.C.:80 p.	1973	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	-	S	M	FW	LAB		4	d	LC50*	NR	MOR	mortality	T		1009	ug/L	385			mg/L CaCO3		6.23	7.17		8813	Davies,P.H., and W.H. Everhart	Effects of Chemical Variations in Aquatic Environments: Vol. III Lead Toxicity to Rainbow Trout and Testing Application Factor Concept	EPA-R3-73-01 3C, U.S.EPA, Washington, D.C.:80 p.	1973	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	young of year	F	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T		8000	ug/L				NR		6.4	8.3		861	Hale,J.G.	Toxicity of Metal Mining Wastes	Bull. Environ. Contam. Toxicol.17(1): 66-73	1977	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Salmo salar*	Atlantic Salmon	Fish	-	R	M	FW	LAB		30	d	LC50	NR	MOR	mortality	T		60	ug/L	11			mg/L CaCO3	6.3				10982	Grande,M., and S. Andersen	Lethal Effects of Hexavalent Chromium, Lead and Nickel on Young Stages of Atlantic Salmon (Salmo salar L.) in Soft Water	Vatten.39(4): 405-416	1983	Drop: mortality
Lead	10099748	Nitric acid, Lead (2+) salt	*Salmo salar*	Atlantic Salmon	Fish	-	R	M	FW	LAB		4	d	LC50	NR	MOR	mortality	T		700	ug/L	11			mg/L CaCO3	6.3				10982	Grande,M., and S. Andersen	Lethal Effects of Hexavalent Chromium, Lead and Nickel on Young Stages of Atlantic Salmon (Salmo salar L.) in Soft Water	Vatten.39(4): 405-416	1983	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	AQUA - NR	M	FW	LAB		413	d	MATC	INC	DVP	abnormal	T		NR	ug/L	28			mg/L CaCO3	7				56144	Goettl,J.P.,Jr., J.R. Sinley, and P.H. Davies	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-8, DNR, Denver, CO:123 p.	1973	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	eyed egg/embryo	F	M	FW	LAB		578.38	d	MATC	NR	GRO	abnormal	D		NR	ug/L	353.2*			mg/L CaCO3		6.65*	7.34*		2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	fingerling	F	M	FW	LAB		578.38	d	MATC	NR	GRO	abnormal	D		NR	ug/L	353.2*			mg/L CaCO3		7.64*	8.25*		2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	fry	AQUA - NR	M	FW	LAB		358	d	MATC	INC	DVP	abnormal	T		NR	ug/L	28			mg/L CaCO3	7				56144	Goettl,J.P.,Jr., J.R. Sinley, and P.H. Davies	Water Pollution Studies	Job Progress Report, Federal Aid Project F-33-R-8, DNR, Denver, CO:123 p.	1973	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Oncorhynchus mykiss*	Rainbow Trout	Fish	fry	F	M	FW	LAB		0.0132	d	MATC	NR	GRO	abnormal	D		NR	ug/L	27.7*			mg/L CaCO3		6.65*	7.34*		2110	Davies,P.H., J.P.,Jr. Goettl, J.R. Sinley, and N.F. Smith	Acute and Chronic Toxicity of Lead to Rainbow Trout Salmo gairdneri, in Hard and Soft Water	Water Res.10(3): 199-206	1976	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Salmo salar*	Atlantic Salmon	Fish	mix	R	M	FW	LAB		90	d	MATC	NR	MOR	mortality	T		NR	ug/L	11			mg/L CaCO3	6.3				10982	Grande,M., and S. Andersen	Lethal Effects of Hexavalent Chromium, Lead and Nickel on Young Stages of Atlantic Salmon (Salmo salar L.) in Soft Water	Vatten.39(4): 405-416	1983	Drop: concentration
Lead	10099748	Nitric acid, Lead (2+) salt	*Carassius auratus*	Goldfish	Fish	-	S	M	FW	LAB		1	d	LC50	NR	MOR	mortality	D		37000	ug/L				NR		5.7	6.3		8122	Lautenbacher,H.W.	Development and Application of Analytical Methods for the Study of Biological Changes in Goldfish Exposed to Sub-lethal Concentrations of Nitrilotria	Ph.D.Thesis, Temple University:174 p., Diss.Abstr.Int.B Sci.Eng.:3693-	1973	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Carassius auratus*	Goldfish	Fish	-	S	M	FW	LAB		1	d	LC50	NR	MOR	mortality	D		59000	ug/L				NR		5.3	7.6		8122	Lautenbacher,H.W.	Development and Application of Analytical Methods for the Study of Biological Changes in Goldfish Exposed to Sub-lethal Concentrations of Nitrilotria	Ph.D.Thesis, Temple University:174 p., Diss.Abstr.Int.B Sci.Eng.:3693-	1973	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Dramalla grandis*	Mayfly	Aquatic invertebrate	naiad	F	M	FW	LAB		12	d	LC50	INC	MOR	mortality	T		3300	ug/L	65			mg/L CaCO3	7.15				14388	Nebeing,R.B.	Heavy Metal Toxicity in Two Species of Aquatic Insects	M.S.Thesis, Colorado State University, Fort Collins, CO:82 p.	1973	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Dramalla grandis*	Mayfly	Aquatic invertebrate	naiad	F	M	FW	LAB		14	d	LC50	INC	MOR	mortality	T		3300	ug/L		30	50	mg/L CaCO3		7	7.2		10198	Nebeing,R.B.	Aquatic Insects as Biological Monitors of Heavy Metal Pollution	Bull. Environ. Contam. Toxicol.15(2): 147-154	1976	Drop: mortality
Lead	10099748	Nitric acid, Lead (2+) salt	*Enallagma sp.*	Damselfly	Aquatic invertebrate	-	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T	-	60000	ug/L	15.3			mg/L CaCO3	3.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215 223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Enallagma sp.*	Damselfly	Aquatic invertebrate	-	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T	-	60000	ug/L	15.3			mg/L CaCO3	4				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215 223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Enallagma sp.*	Damselfly	Aquatic invertebrate	-	S	M	FW	LAB		4	d	LC50	INC	MOR	mortality	T	-	60000	ug/L	15.3			mg/L CaCO3	4.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215 223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pteronarcys californica*	Stonefly	Aquatic invertebrate	naiad	F	M	FW	LAB		14	d	LC50	INC	MOR	mortality	T	-	19200	ug/L		30	50	mg/L CaCO3		7	7.2		10198	Nebeing,R.B.	Aquatic Insects as Biological Monitors of Heavy Metal Pollution	Bull. Environ. Contam. Toxicol.15(2): 147-154	1976	Drop: mortality

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead	10099748	Nitric acid, Lead (2+) salt	*Tanytarsus dissimilis*	Midge	Aquatic invertebrate	egg	S	M	FW	LAB	10	d	LC50	NR	MOR	mortality	T		258	ug/L	46.8			mg/L CaCO3	7.5	7.3	7.7		5249	Anderson,R.L., C.T. Walbridge, and J.T. Fiandt	Survival and Growth of Tanytarsus dissimilis (Chironomidae) Exposed to Copper, Cadmium, Zinc, and Lead	Arch. Environ. Contam. Toxicol.9(3): 329-335	1980	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Tanytarsus dissimilis*	Midge	Aquatic invertebrate	instar	S	M	FW	LAB	2	d	LC50	NR	MOR	mortality	T		224000	ug/L				NR		4.9	6.9		10579	Call,D.J., L.T. Brooke, N. Ahmad, and J.E. Richter	Toxicity and Metabolism Studies with EPA (Environmental Protection Agency) Priority Pollutants and Related Chemicals in Freshwater Organisms	EPA 600/3-83-095, U.S.EPA, Duluth, MN:120 p.	1983	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Amnicola limosa*	Snail	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		10300	ug/L				NR	3.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Amnicola limosa*	Snail	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		20600	ug/L				NR	4				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Amnicola limosa*	Snail	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		9500	ug/L				NR	4.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Aplexa hypnorum*	Snail	Aquatic invertebrate	-	F	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		1340	ug/L	60.9			mg/L CaCO3	7.34	7.2	7.65		3771	Call,D.J., L.T. Brooke, N. Ahmad, and D.D. Vaishnav	Aquatic Pollutant Hazard Assessments and Development of a Hazard Prediction Technology by Quantitative Structure-Activity Relationships	First Q.Rep., U.S.EPA Coop.Agreement No.CR 809234-01-0, Ctr.for Lake Superior Environ.Stud., Univ.of Wisconsin, Superior, WI:52 p.	1981	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pisidium casertanum*	Pea Cockle	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		23500	ug/L				NR	4				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pisidium casertanum*	Pea Cockle	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		23600	ug/L				NR	3.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pisidium casertanum*	Pea Cockle	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		56000	ug/L				NR	4.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pisidium compressum*	Ridged-Beak Peaclam	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		11400	ug/L	15.3			mg/L CaCO3	4.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pisidium compressum*	Ridged-Beak Peaclam	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		21300	ug/L	15.3			mg/L CaCO3	4				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Pisidium compressum*	Ridged-Beak Peaclam	Aquatic invertebrate	-	S	M	FW	LAB	4	d	LC50	INC	MOR	mortality	T		38000	ug/L	15.3			mg/L CaCO3	3.5				19974	Mackie,G.L.	Tolerances of Five Benthic Invertebrates to Hydrogen Ions and Metals (Cd, Pb, Al)	Arch. Environ. Contam. Toxicol.18(1-2): 215-223	1989	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Dreissena polymorpha*	Zebra Mussel	Aquatic invertebrate	-	R	M	FW	LAB	2	d	EC50	NR	BEH	filtration rate	T		370	ug/L				NR					6741	Bleeker,E.A.J., M.H.S. Kraak, and C. Davids	Ecotoxicity of Lead to the Zebra Mussel Dreissena polymorpha, Pallas	Hydrobiol. Bull.25(3):233-236	1992	Drop: duration
Lead	10099748	Nitric acid, Lead (2+) salt	*Dreissena polymorpha*	Zebra Mussel	Aquatic invertebrate	-	R	M	FW	LAB	70	d	EC50	DEC	BEH	filtration rate	T		91	ug/L	150			mg/L CaCO3	7.9				14043	Kraak,M.H.S., Y.A. Wink, S.C. Stuijfzand, M.C. Buckert-De Jong, C.J. De Groot, and W. Admiraal	Chronic Ecotoxicity of Zn and Pb to the Zebra Mussel Dreissena polymorpha	Aquat. Toxicol.30(1): 77-89	1994	Drop: EC50
Lead	10099748	Nitric acid, Lead (2+) salt	*Dreissena polymorpha*	Zebra Mussel	Aquatic invertebrate	-	R	M	FW	LAB	56	d	LC50	INC	MOR	mortality	T		2330	ug/L	150			mg/L CaCO3	7.9				14043	Kraak,M.H.S., Y.A. Wink, S.C. Stuijfzand, M.C. Buckert-De Jong, C.J. De Groot, and W. Admiraal	Chronic Ecotoxicity of Zn and Pb to the Zebra Mussel Dreissena polymorpha	Aquat. Toxicol.30(1): 77-89	1994	Drop: endpoint
Lead	10099748	Nitric acid, Lead (2+) salt	*Dreissena polymorpha*	Zebra Mussel	Aquatic invertebrate	-	R	M	FW	LAB	70	d	LC50	INC	MOR	mortality	T		497	ug/L	150			mg/L CaCO3	7.9				14043	Kraak,M.H.S., Y.A. Wink, S.C. Stuijfzand, M.C. Buckert-De Jong, C.J. De Groot, and W. Admiraal	Chronic Ecotoxicity of Zn and Pb to the Zebra Mussel Dreissena polymorpha	Aquat. Toxicol.30(1): 77-89	1994	Drop: endpoint
Lead		Lead(II) nitrate	*Asellus aquaticus*	Isopod	Aquatic invertebrate				FW	LAB	2	d	LC50		MOR	mortality	T		120	ug/L	50			mg/L	6.75					Martin and Holdich			1986	Drop: duration
Lead		Lead(II) nitrate	*Asellus aquaticus*	Isopod	Aquatic invertebrate				FW	LAB	4	d	LC50		MOR	mortality	T		64.1	ug/L	50			mg/L	6.75					Martin and Holdich			1986	Drop: duration
Lead		Lead(II) nitrate	*Crangonyx pseudogracilis*	Amphipod	Aquatic invertebrate				FW	LAB	2	d	LC50		MOR	mortality	T		43.8	ug/L	50			mg/L	6.75					Martin and Holdich			1986	Drop: duration
Lead		Lead(II) nitrate	*Crangonyx pseudogracilis*	Amphipod	Aquatic invertebrate				FW	LAB	4	d	LC50		MOR	mortality	T		27.6	ug/L	50			mg/L	6.75					Martin and Holdich			1986	Drop: duration
Lead		Lead nitrate	*Brachionus calyciflorus*	Rotifer	Aquatic invertebrate				FW	LAB	30	d	EC20						125	ug/L										Grosell, Gerdes, and Brix			2006	Keep
Lead		Pb(NO3)2	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate				FW	LAB	4	d	LC50		MOR	mortality			130	ug/L										Spehar, Anderson, Fiandt			1978	Drop: duration
Lead		Pb(NO3)2	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate				FW	LAB	7	d	LC50		MOR	mortality			80	ug/L										Spehar, Anderson, Fiandt			1978	Drop: duration
Lead		Pb(NO3)2	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate				FW	LAB	14	d	LC50		MOR	mortality			75	ug/L										Spehar, Anderson, Fiandt			1978	Drop: duration
Lead		Pb(NO3)2	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate				FW	LAB	21	d	LC50		MOR	mortality			55	ug/L										Spehar, Anderson, Fiandt			1978	Drop: mortality
Lead		Pb(NO3)2	*Gammarus pseudolimnaeus*	Scud	Aquatic invertebrate				FW	LAB	28	d	LC50		MOR	mortality			35	ug/L										Spehar, Anderson, Fiandt			1978	Drop: mortality
Lead		Nitrate	*Acipenser transmontanus*	white sturgeon	Fish	2-dph					53	d	EC20		GRO	growth	Dissolved	>	27	ug/L	102			mg/L	8.0			0.4		Wang et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Baetis tricaudatus*	mayfly	Aquatic invertebrate	Larvae					10	d	EC20		GRO	growth	Dissolved		66	ug/L	20			mg/L	6.7			0.6		Mebane et al. 2008; personal communication	via DeForest et al. 2017			Keep
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		405	ug/L	51			mg/L	7.0			2.6		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		219	ug/L	125			mg/L	7.0			2.6		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		135	ug/L	206			mg/L	7.1			2.4		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		188	ug/L	272			mg/L	7.0			2.6		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		138	ug/L	52			mg/L	6.3			1.1		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		194	ug/L	51			mg/L	6.9			1.2		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		87	ug/L	52			mg/L	7.6			1.2		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		304	ug/L	52			mg/L	8.2			1.2		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		117	ug/L	50			mg/L	6.9			1.6		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		192	ug/L	50			mg/L	6.9			6.0		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		303	ug/L	50			mg/L	6.8			10.5		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		309	ug/L	50			mg/L	6.8			18.6		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		75	ug/L	50			mg/L	6.8			3.2		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		249	ug/L	237			mg/L	7.8			31.5		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		225	ug/L	215			mg/L	7.9			10.5		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		204	ug/L	86			mg/L	8.0			4.5		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		136	ug/L	120			mg/L	6.7			3.4		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Chloride	*Brachionus calyciflorus*	rotifer	Aquatic invertebrate	Cysts					2	d	EC20		GRO	growth	Dissolved		336	ug/L	188			mg/L	8.2			13.1		Nys et al. 2016	via DeForest et al. 2017			Drop: duration
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Total		2.7	ug/L	82			mg/L	7.5			0.5		Cooper et al. 2009	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		21.4	ug/L	44			mg/L	7.6			0.7		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		34.4	ug/L	133			mg/L	8.2			<0.5		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		90.1	ug/L	231			mg/L	8.3			<0.5		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		64.9	ug/L	272			mg/L	8.1			<0.5		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		41.6	ug/L	50			mg/L	6.1			<0.5		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		26.7	ug/L	50			mg/L	7.0			<0.5		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		25.5	ug/L	49			mg/L	8.0			0.51		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		67.5	ug/L	55			mg/L	8.5			<0.5		Parametrix 2010b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		45	ug/L	35			mg/L	7.2			2.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		46	ug/L	51			mg/L	7.6			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		17	ug/L	168			mg/L	7.3			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		12	ug/L	354			mg/L	7.5			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		22	ug/L	511			mg/L	7.5			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		71	ug/L	30			mg/L	7.5			2.5		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		176	ug/L	29			mg/L	7.4			5.4		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		96	ug/L	22			mg/L	7.4			2.0		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		85	ug/L	26			mg/L	7.3			2.5		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		53	ug/L	24			mg/L	7.4			4.9		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		523	ug/L	37			mg/L	7.3			7.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		3.9	ug/L	22			mg/L	6.4			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		5.1	ug/L	23			mg/L	7.3			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		26	ug/L	135			mg/L	7.4			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		21	ug/L	26			mg/L	7.1			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		19	ug/L	23			mg/L	7.2			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		40	ug/L	25			mg/L	7.7			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		69	ug/L	25			mg/L	7.9			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		73	ug/L	26			mg/L	8.2			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		16	ug/L	23			mg/L	7.3			1.2		Mager et al. 2011b	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					6	d	EC20		REP	reproduction	Dissolved		53.1	ug/L	13			mg/L	7.0			7.2		AquaTox 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					6	d	EC20		REP	reproduction	Dissolved		23.0	ug/L	14			mg/L	7.1			5.9		AquaTox 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		8.9	ug/L	78			mg/L	7.5			0.4		AquaTox 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		35.4	ug/L	33			mg/L	7.9			2.7		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		22.6	ug/L	157			mg/L	8.1			1.8		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		96.7	ug/L	224			mg/L	8.5			9.6		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		223.3	ug/L	28			mg/L	7.3			17.3		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		12.1	ug/L	16			mg/L	7.1			8.2		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		64	ug/L	40			mg/L	7.0			4.0		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		91	ug/L	105			mg/L	7.0			3.9		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		112	ug/L	142			mg/L	7.0			3.8		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		101	ug/L	196			mg/L	7.1			3.9		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		79	ug/L	90			mg/L	6.4			3.3		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		81	ug/L	93			mg/L	6.9			3.3		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		80	ug/L	89			mg/L	7.6			3.3		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Chloride	*Ceriodaphnia dubia*	cladoceran	Aquatic invertebrate	Neonates					7	d	EC20		REP	reproduction	Dissolved		153	ug/L	90			mg/L	8.1			3.2		Nys et al. 2014	via DeForest et al. 2017			Keep
Lead		Nitrate	*Chironomus dilutus*	midge	Aquatic invertebrate	8-d larvae					27	d	EC20		GRO	growth and survival	Dissolved		230	ug/L	48.0			mg/L	7.9			1.2		Grosell et al. 2006	via DeForest et al. 2017			Keep
Lead		Chloride	*Chironomus dilutus*	midge	Aquatic invertebrate	1st instar larvae					20	d	EC20		GRO	growth and survival	Dissolved		28	ug/L	32			mg/L	7.1			0.6		Mebane et al. 2008; personal communication	via DeForest et al. 2017			Drop: duplicate
Lead		Chloride	*Chironomus riparius*	midge	Aquatic invertebrate	1st instar larvae					14	d	MATC		GRO	growth and survival	Dissolved		431.9	ug/L	42			mg/L	7.4			5.6		Nguyen et al. 2012	via DeForest et al. 2017			Drop: EC20
Lead		Chloride	*Chironomus riparius*	midge	Aquatic invertebrate	1st instar larvae					14	d	MATC		GRO	growth and survival	Dissolved		1013.2	ug/L	278			mg/L	7.4			6.2		Nguyen et al. 2012	via DeForest et al. 2017			Drop: EC20
Lead		Chloride	*Chironomus riparius*	midge	Aquatic invertebrate	1st instar larvae					14	d	EC20		GRO	growth and survival	Dissolved		623	ug/L	163			mg/L	8.1			10.9		Nguyen et al. 2012	via DeForest et al. 2017			Keep
Lead		Chloride	*Chironomus riparius*	midge	Aquatic invertebrate	1st instar larvae					14	d	EC20		GRO	growth and survival	Dissolved		551	ug/L	165			mg/L	7.3			10.6		Nguyen et al. 2012	via DeForest et al. 2017			Keep
Lead		Chloride	*Chironomus riparius*	midge	Aquatic invertebrate	1st instar larvae					14	d	NOEC		GRO	growth and survival	Dissolved	>	1908.0	ug/L	86			mg/L	7.6			15.0		Nguyen et al. 2012	via DeForest et al. 2017			Drop: EC20
Lead		Nitrate	*Daphnia magna*	cladoceran	Aquatic invertebrate	Neonates					21	d	EC20		REP	reproduction	Total		14.5	ug/L	52			mg/L	7.2			1.1		Chapman et al. 1980	via DeForest et al. 2017			Keep
Lead		Nitrate	*Daphnia magna*	cladoceran	Aquatic invertebrate	Neonates					21	d	EC20		REP	reproduction	Total		109	ug/L	102			mg/L	7.8			1.1		Chapman et al. 1980	via DeForest et al. 2017			Keep
Lead		Nitrate	*Daphnia magna*	cladoceran	Aquatic invertebrate	Neonates					21	d	EC20		REP	reproduction	Total		54.9	ug/L	151			mg/L	7.8			1.1		Chapman et al. 1980	via DeForest et al. 2017			Keep
Lead		Nitrate	*Hyalella azteca*	amphipod	Aquatic invertebrate	7-d					42	d	EC20		REP, GRO	reproduction and growth	Dissolved		8.2	ug/L	102			mg/L	8.2			0.5		Besser et al. 2016	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lampsilis siliquoidea*	fatmucket	Aquatic invertebrate	Juveniles					28	d	EC20		GRO	growth and survival	Dissolved		16	ug/L	46			mg/L	8.0			0.5		Wang et al. 2010	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea palustris*	marsh snail	Aquatic invertebrate	Eggs					120	d	EC20		GRO	growth and survival	Total		23	ug/L	139			mg/L	7.8			1.6		Borgmann et al. 1978	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	Hatchlings (<24-hr)					30	d	EC20		GRO	growth and survival	Dissolved		<4	ug/L	102			mg/L	8.2			1.2		Grosell et al. 2006	via DeForest et al. 2017			Drop: "<"
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	Hatchlings (<24-hr)					30	d	EC20		GRO	growth and survival	Dissolved		2.8	ug/L	85			mg/L	7.3			<0.5		Parametrix 2007	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	Hatchlings (<24-hr)					30	d	EC20		GRO	growth and survival	Dissolved		38.5	ug/L	247			mg/L	7.2			7.1		Parametrix 2007	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	10-14 d					16	d	EC20		GRO	growth and survival	Dissolved		3.5	ug/L	60			mg/L	7.8			2.4		Brix et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		4.3	ug/L	72.1			mg/L	8.0			6.3		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		1.5	ug/L	141.6			mg/L	8.3			1.2		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		49.5	ug/L	195.8			mg/L	8.6			6.9		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		32.4	ug/L	23.2			mg/L	7.3			15.8		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		15.8	ug/L	12.2			mg/L	7.1			6.6		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		2.1	ug/L	15.3			mg/L	5.8			0.4		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Lymnaea stagnalis*	great pond snail	Aquatic invertebrate	7-10 d					14	d	EC20		GRO	growth and survival	Dissolved		1.5	ug/L	4.7			mg/L	6.8			1.4		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Oncorhynchus mykiss*	rainbow trout	Fish	Fry					19	month	EC20		GRO	growth	Total		21.0	ug/L	27.7			mg/L	7.0			1.6		Davies et al. 1976	via DeForest et al. 2017			Keep
Lead		Chloride	*Oncorhynchus mykiss*	rainbow trout	Fish	Eggs					69	d	EC20		MOR	survival	Dissolved		34	ug/L	20			mg/L	6.6			0.6		Mebane et al. 2008; personal communication	via DeForest et al. 2017			Drop: duplicate
Lead		Chloride	*Oncorhynchus mykiss*	rainbow trout	Fish	Eggs					62	d	EC20		GRO	growth and survival	Dissolved		102	ug/L	32			mg/L	7.6			0.6		Mebane et al. 2008; personal communication	via DeForest et al. 2017			Keep
Lead		Nitrate	*Oncorhynchus mykiss*	rainbow trout	Fish	1-dph					52	d	EC20		GRO	growth and survival	Dissolved	>	126	ug/L	102			mg/L	8.0			0.4		Wang et al. 2014	via DeForest et al. 2017			Keep
Lead		Nitrate	*Philodina rapida*	rotifer	Aquatic invertebrate	Adults					4	d	EC20		POP	population	Dissolved		13.4	ug/L	87			mg/L	8.2			0.9		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Philodina rapida*	rotifer	Aquatic invertebrate	Adults					4	d	EC20		POP	population	Dissolved		23.2	ug/L	133			mg/L	8.2			1.1		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Philodina rapida*	rotifer	Aquatic invertebrate	Adults					4	d	EC20		POP	population	Dissolved		103.3	ug/L	147			mg/L	8.4			10.7		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Philodina rapida*	rotifer	Aquatic invertebrate	Adults					4	d	EC20		POP	population	Dissolved		39.8	ug/L	26			mg/L	7.3			16.9		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Philodina rapida*	rotifer	Aquatic invertebrate	Adults					4	d	EC20		POP	population	Dissolved		46.8	ug/L	12			mg/L	7.2			8.1		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Philodina rapida*	rotifer	Aquatic invertebrate	Adults					4	d	EC20		POP	population	Dissolved		3.2	ug/L	5			mg/L	7.3			3.4		Esbaugh et al. 2012	via DeForest et al. 2017			Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	30-d					32	d	CV		GRO	growth and survival	Total		329.0	ug/L	44			mg/L	7.4			2.0		Spehar and Fiandt 1986	via DeForest et al. 2017			Drop: endpoint

Chemical	CAS Number	Chemical Name	Species Scientific Name	Species Common Name	Species Group	Organism Lifestage	Exposure Type	Chemical Analysis	Media Type	Test Location	Observed Duration Mean (Days)	Observed Duration Units (Days)	Endpoint	Trend	Effect	Effect Measurement	Conc 1 Type (ug/L)	Conc 1 Mean Op (ug/L)	Conc 1 Mean (ug/L)	Conc 1 Units (ug/L)	Hardness Mean	Hardness Min	Hardness Max	Hardness Units	pH Mean	pH Min	pH Max	DOC (mg/L)	Reference Number	Author	Title	Source	Publication Year	Screening
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		120.9	ug/L	28			mg/L	7.4			<0.5		Parametrix 2010c				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		134.6	ug/L	28			mg/L	7.4			<0.5		Parametrix 2010c				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		116.7	ug/L	28			mg/L	7.4			<0.5		Parametrix 2010c				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		1617	ug/L	58			mg/L	7.4			7.0		Parametrix 2010d				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		169.2	ug/L	24			mg/L	7.3			8.72		Parametrix 2010d				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		671n	ug/L	168			mg/L	7.8			4.9		Parametrix 2010d				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		972.1	ug/L	91			mg/L	7.9			1.3		Parametrix 2010d				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		260.7	ug/L	17			mg/L	6.5			12.6		Parametrix 2010d				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		254.6	ug/L	38			mg/L	7.6			2.3		Parametrix 2010d				Keep
Lead		Nitrate	*Pimephales promelas*	fathead minnow	Fish	<24-hr						7 d	EC20		GRO	growth and survival	Dissolved		31189**	ug/L	190			mg/L	8.0			<0.5		Parametrix 2010d				Drop: unreliable
Lead		Nitrate	*Salvelinus fontinalis*	brook trout	Fish	Yearling[2]						12 wk	EC20		GRO	growth	Total		104	ug/L	44.3			mg/L	7.2			1.1		Holcombe et al. 1976				Keep
Lead			*Raphidocelis subcapitata*	algae	Algae/Plants							7 d	EC10		GRO	growth			32	ug/L										De Schamphelaere et al. 2014				Keep
Lead			*Chlorella kessleri*	green algae	Algae/Plants							3 d	EC10		GRO	growth			1200	ug/L										De Schamphelaere et al. 2014				Keep
Lead			*Chlamydomonas reinhardtii*	green algae	Algae/Plants							3 d	EC10		GRO	growth			82.3	ug/L										De Schamphelaere et al. 2014				Keep
Lead			*Raphidocelis subcapitata*	algae	Algae/Plants							3 d	EC20		GRO	growth			85.7	ug/L										De Schamphelaere et al. 2014				Keep
Lead			*Chlorella kessleri*	green algae	Algae/Plants							3 d	EC20		GRO	growth			183	ug/L										De Schamphelaere et al. 2014				Keep