ANNUAL REPORT
FOR THE MUNICIPALITY OF NAUJAAT

YEAR BEING REPORTED: 2025

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence No. **3BM-NAU2333** issued to the **Municipality of Naujaat**.

Below are tabular summaries of all data generated under the "Monitoring Program".

- Monthly and annual quantities of freshwater obtained by daily logs for all freshwater sources and estimated sewage waste discharged.

Table 1: Summary of all water obtained, estimated sewage water discharge, and estimated waste volumes disposed in cubic metres

Month Reported	Quantity of Water Obtained from all sources (m^3)	Quantity of Sewage Waste Discharged (m^3)
January	3985.97	Same
February	3648.65	Same
March	4095.94	Same
April	4086.79	Same
May	3764.01	Same
June	3914.99	Same
July	4205.10	Same
August	3835.77	Same
September	3656.98	Same
October	3563.87	Same
November	3387.70	Same
December	3719.09	Same
ANNUAL TOTAL	45,864.86	Same

Note: No meter exists to measure the sewage discharge volumes, therefore Sewage discharge volumes are considered equal to the water consumption volumes.

- A summary of modifications and/or major maintenance work carried out on the Water

Supply and Waste Disposal Facilities, including all associated structures and facilities:
    - None

- A list of unauthorized discharges and summary of follow-up action taken:
    - No spills occurred in 2025 that are associated with this water licence.

- A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year:
    - None

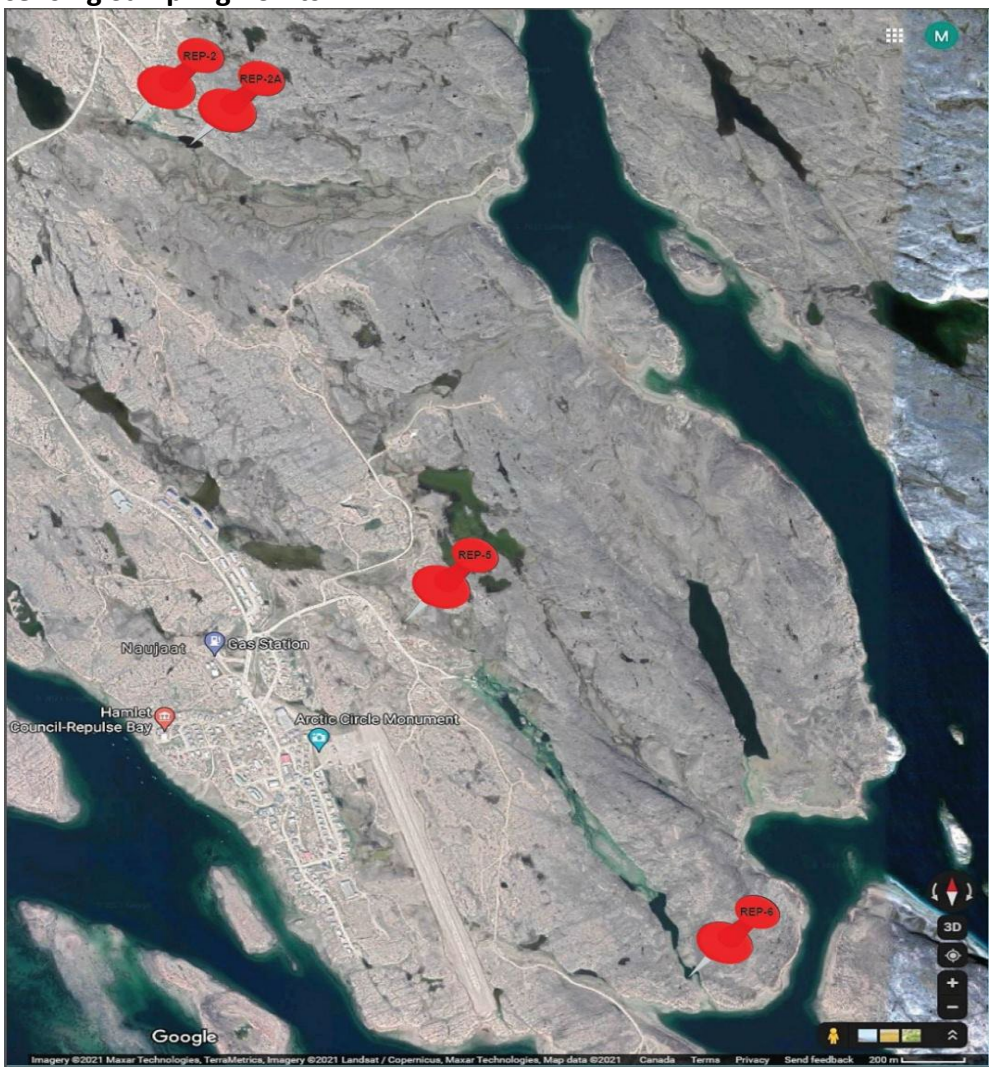
- A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned:
    - Detailed design for new wastewater infrastructure is currently ongoing and expected to tender in early 2026. Construction for this project should proceed in 2026 and be expected to be completed in late 2027.

- Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
    - None

- updates or revisions to the approved Operation and Maintenance Plans:
    - None

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Water Licensing Sampling Points:



REP-2: Runoff from Solid Waste Disposal Facility culvert
REP-2a: Runoff from the Solid Waste Disposal Facility boulder seepage
REP-5: Effluent discharged from the Contaminated Solid Storage Facility
REP-6: Discharge from Vegetated Filter Strip Wetlands

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

- There was no CIRNAC Inspection in 2025.

Appendices

Appendix A: REP-6 Effluent Quality Limits

Appendix B: Certificate of Analysis

Appendix A: REP-6 Effluent Quality Limits

3BM-NAU2333 Naujaat Monitoring Program Results 2025
REP-6 Effluent Quality limits

Parameter	Maximum Concentration of any grab sample	REP- 6
		20-Aug-2025
$CBOD_5$	100 mg/L	13.2 mg/L
Total Suspended Solids	120 mg/L	69.2 mg/L
Fecal Coliforms	1 x 10^6 CFU/100mL	<1 MPN/100mL
Oil & Grease	5 mg/L and no visible sheen	<5.0 mg/L
pH	between 6 and 9	9.88

The effluent quality limit was slightly exceeded for pH; however, the other parameters are in compliance. Limited treatment is available with the current sewage treatment facility. This will be addressed with the laboratory during the bottle order prior to the 2025 monitoring program for sampling. The detailed design for the upgraded system is complete and anticipated to be tendered for construction in 2026 pending approval and funding.

Appendix B: Certificate of Analysis

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WP2514520**		
Client	:	**Government of Nunavut**	Laboratory	: ALS Environmental - Winnipeg
Contact	:	Bobby M	Account Manager	: Daniel Rocha
Address	:	Repulse Bay - Naujaat GN-CGS Gen Del Naujaat / Repulse Bay Nunavut Canada X0C 0H0	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg MB Canada R2J 3T4
Telephone	:	----	Telephone	: +1 204 255 9720
Project	:	NAUJAAT DRINKING WATER CHEMISTRY	Date Samples Received	: 27-Aug-2025 10:00
PO	:	----	Date Analysis Commenced	: 28-Aug-2025
C-O-C number	:	----	Issue Date	: 08-Sep-2025 13:47
Sampler	:	----		
Site	:	----		
Quote number	:	2025 Analytical Testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brennan Dugas		Microbiology, Winnipeg, Manitoba
Danielle Gravel		Organics, Waterloo, Ontario
Lee McTavish		Metals, Winnipeg, Manitoba
Lee McTavish		Inorganics, Winnipeg, Manitoba
Livia Ciolan		Organics, Winnipeg, Manitoba
Manjit Brar		Organics, Winnipeg, Manitoba
Manuel TavaraTello		Organics, Waterloo, Ontario
Ryan Velasco		Organics, Winnipeg, Manitoba
Walt Kippenhuck		Inorganics, Waterloo, Ontario

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
HTA	Analytical holding time was exceeded.
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water			Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
			Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
				Result	Result	Result	Result	----	----	----
Physical Tests										
Alkalinity, bicarbonate (as CaCO3)	----	E290/WP	mg/L	862	216	204	54.2	----	----	----
Alkalinity, carbonate (as CaCO3)	----	E290/WP	mg/L	<1.0	<1.0	<1.0	90.4	----	----	----
Alkalinity, hydroxide (as CaCO3)	----	E290/WP	mg/L	<1.0	<1.0	<1.0	<1.0	----	----	----
Alkalinity, phenolphthalein (as CaCO3)	----	E290/WP	mg/L	<1.0	<1.0	<1.0	45.2	----	----	----
Alkalinity, total (as CaCO3)	----	E290/WP	mg/L	862	216	204	145	----	----	----
Conductivity	----	E100/WP	µS/cm	2130	512	693	444	----	----	----
Hardness (as CaCO3), from total Ca/Mg	----	EC100A/WP	mg/L	565	204	268	150	----	----	----
pH	----	E108/WP	pH units	7.13	7.90	7.99	9.88	----	----	----
Solids, total suspended [TSS]	----	E160/WP	mg/L	282	12.0	4.6	69.2	----	----	----
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/WP	mg/L	67.0	0.916	0.0303	0.0793	----	----	----
Chloride	16887-00-6	E235.Cl/WP	mg/L	117	34.6	97.3	58.2	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3/WP	mg/L	<0.200 DLM	0.092	<0.020	<0.020	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/WP	mg/L	<0.224	0.0920	<0.0224	<0.0224	----	----	----
Nitrite (as N)	14797-65-0	E235.NO2/WP	mg/L	<0.100 DLM	<0.010	<0.010	<0.010	----	----	----
Phosphorus, total	7723-14-0	E372/WP	mg/L	3.08	0.044	<0.020	1.70	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/WP	mg/L	3.10	8.36	17.4	16.1	----	----	----
Organic / Inorganic Carbon										
Carbon, total organic [TOC]	----	E355-L/WP	mg/L	378	13.8	7.44	49.8	----	----	----

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
				Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
					Result	Result	Result	Result	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/WP	MPN/100mL		<1 PEHR	<1 PEHR	<1 PEHR	<1 PEHR	----	----	----
Total Metals											
Aluminum, total	7429-90-5	E420/WP	mg/L		0.267	0.0634	0.0237	0.0434	----	----	----
Antimony, total	7440-36-0	E420/WP	mg/L		0.00477	0.00032	0.000065	0.00029	----	----	----
Arsenic, total	7440-38-2	E420/WP	mg/L		0.00292	0.00071	0.00022	0.00054	----	----	----
Barium, total	7440-39-3	E420/WP	mg/L		0.0394	0.0216	0.0194	0.00712	----	----	----
Beryllium, total	7440-41-7	E420/WP	mg/L		0.0000040	0.0000028	0.0000010	0.0000013	----	----	----
Bismuth, total	7440-69-9	E420/WP	mg/L		0.000046	0.0000022	Not Detected	0.000073	----	----	----
Boron, total	7440-42-8	E420/WP	mg/L		0.606	0.060	0.033	0.099	----	----	----
Cadmium, total	7440-43-9	E420/WP	mg/L		0.000260	0.0000051	0.0000046	0.0000083	----	----	----
Calcium, total	7440-70-2	E420/WP	mg/L		193	61.6	78.1	44.8	----	----	----
Cesium, total	7440-46-2	E420/WP	mg/L		0.000097	0.0000094	0.0000078	0.000025	----	----	----
Chromium, total	7440-47-3	E420/WP	mg/L		0.0126	0.00059	0.00015	0.00018	----	----	----
Cobalt, total	7440-48-4	E420/WP	mg/L		0.00187	0.00026	0.000046	0.00022	----	----	----
Copper, total	7440-50-8	E420/WP	mg/L		0.0375	0.00194	0.00138	0.00672	----	----	----
Iron, total	7439-89-6	E420/WP	mg/L		5.46	0.883	0.506	0.178	----	----	----
Lead, total	7439-92-1	E420/WP	mg/L		0.00460	0.000592	0.000078	0.000209	----	----	----
Lithium, total	7439-93-2	E420/WP	mg/L		0.0198	0.0059	0.0067	0.0057	----	----	----
Magnesium, total	7439-95-4	E420/WP	mg/L		20.2	12.2	17.8	9.20	----	----	----
Manganese, total	7439-96-5	E420/WP	mg/L		0.461	0.163	0.00778	0.0205	----	----	----

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
				Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
					Result	Result	Result	Result	----	----	----
Total Metals											
Mercury, total	7439-97-6	E508/WP	mg/L		0.0000092	<0.0000050	<0.0000050	<0.0000050	----	----	----
Molybdenum, total	7439-98-7	E420/WP	mg/L		0.00148	0.00191	0.000450	0.000936	----	----	----
Nickel, total	7440-02-0	E420/WP	mg/L		0.0149	0.00214	0.00062	0.00118	----	----	----
Phosphorus, total	7723-14-0	E420/WP	mg/L		4.41	0.068	0.015	1.96	----	----	----
Potassium, total	7440-09-7	E420/WP	mg/L		56.8	7.20	3.42	9.62	----	----	----
Rubidium, total	7440-17-7	E420/WP	mg/L		0.0560	0.00506	0.00456	0.0110	----	----	----
Selenium, total	7782-49-2	E420/WP	mg/L		0.000695	0.000112	Not Detected	0.000322	----	----	----
Silicon, total	7440-21-3	E420/WP	mg/L		3.96	0.71	1.45	2.76	----	----	----
Silver, total	7440-22-4	E420/WP	mg/L		0.000051	0.0000040	0.0000012	0.0000072	----	----	----
Sodium, total	7440-23-5	E420/WP	mg/L		171	33.0	42.4	42.9	----	----	----
Strontium, total	7440-24-6	E420/WP	mg/L		0.334	0.0863	0.0932	0.0735	----	----	----
Sulfur, total	7704-34-9	E420/WP	mg/L		17.1	3.85	7.00	7.45	----	----	----
Tellurium, total	13494-80-9	E420/WP	mg/L		0.000046	Not Detected	Not Detected	Not Detected	----	----	----
Thallium, total	7440-28-0	E420/WP	mg/L		0.000012	0.0000067	0.0000020	0.0000017	----	----	----
Thorium, total	7440-29-1	E420/WP	mg/L		0.000092	0.00010	0.000028	0.00010	----	----	----
Tin, total	7440-31-5	E420/WP	mg/L		0.00193	0.00010	0.000040	0.00017	----	----	----
Titanium, total	7440-32-6	E420/WP	mg/L		0.00686	0.00506	0.00192	0.00146	----	----	----
Tungsten, total	7440-33-7	E420/WP	mg/L		0.00048	0.000016	Not Detected	0.000015	----	----	----
Uranium, total	7440-61-1	E420/WP	mg/L		0.00414	0.0262	0.0114	0.00403	----	----	----
Vanadium, total	7440-62-2	E420/WP	mg/L		0.00223	0.00091	0.00024	0.00084	----	----	----

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
				Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
					Result	Result	Result	Result	----	----	----
Total Metals											
Zinc, total	7440-66-6	E420/WP	mg/L		0.208	0.0026	0.0086	0.0064	----	----	----
Zirconium, total	7440-67-7	E420/WP	mg/L		0.00095	0.00057	0.000051	0.00034	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WP	mg/L		578 HTA	<6.0 HTA	<6.0 HTA	23.9 HTA	----	----	----
Carbonaceous biochemical oxygen demand [CBOD]	----	E555/WP	mg/L		553 HTA	<6.0 HTA	<6.0 HTA	13.2 HTA	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		9.7	<5.0	<5.0	<5.0	----	----	----
Phenols, total (4AAP)	----	E562/WT	mg/L		0.398	0.0026	<0.0010	<0.0010	----	----	----
Volatile Organic Compounds											
Benzene	71-43-2	E611A/WP	mg/L		<0.00050	<0.00050	<0.00050	<0.00050	----	----	----
Ethylbenzene	100-41-4	E611A/WP	mg/L		0.00935	<0.00050	<0.00050	<0.00050	----	----	----
Toluene	108-88-3	E611A/WP	mg/L		0.0236	0.00122	<0.00050	<0.00050	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	mg/L		0.00137	<0.00040	<0.00040	<0.00040	----	----	----
Xylene, o-	95-47-6	E611A/WP	mg/L		0.00145	<0.00030	<0.00030	<0.00030	----	----	----
Xylenes, total	1330-20-7	E611A/WP	mg/L		0.00282	<0.00050	<0.00050	<0.00050	----	----	----
BTEX, total	----	E611A/WP	mg/L		0.0358	0.0012	<0.0010	<0.0010	----	----	----
Hydrocarbons											
F1 (C6-C10)	----	E581.F1/WP	mg/L		<0.10	<0.10	<0.10	<0.10	----	----	----
F1-BTEX	----	EC580/WP	mg/L		<0.100	<0.100	<0.100	<0.100	----	----	----
F2 (C10-C16)	----	E601/WP	µg/L		730	<100	<100	<100	----	----	----
F3 (C16-C34)	----	E601/WP	µg/L		650	<250	<250	620	----	----	----

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
				Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
					Result	Result	Result	Result	----	----	----
Hydrocarbons											
F4 (C34-C50)	----	E601/WP	µg/L		<250	<250	<250	<250	----	----	----
TEH (C10-C50)	n/a	E601/WP	µg/L		1380	<400	<400	620	----	----	----
TEH (C16-C50)	----	E601/WP	µg/L		650	<400	<400	620	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601/WP	%		103	105	102	103	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	%		94.8	99.8	98.2	114	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	%		93.6	83.8	75.3	86.2	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	%		105	100	103	103	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A/WT	µg/L		<0.013 DLM	<0.010	<0.010	<0.010	----	----	----
Acenaphthylene	208-96-8	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Acridine	260-94-6	E641A/WT	µg/L		<0.029 DLM	<0.010	<0.010	<0.023 DLM	----	----	----
Anthracene	120-12-7	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Benz(a)anthracene	56-55-3	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Benzo(a)pyrene	50-32-8	E641A/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A/WT	µg/L		<0.015	<0.015	<0.015	<0.015	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
				Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
					Result	Result	Result	Result	----	----	----
Polycyclic Aromatic Hydrocarbons											
Chrysene	218-01-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050	----	----	----
Fluoranthene	206-44-0	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Fluorene	86-73-7	E641A/WT	µg/L		<0.013 DLM	<0.010	<0.010	<0.010	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/WT	µg/L		0.079	<0.010	<0.010	<0.010	----	----	----
Methylnaphthalene, 1+2-	----	E641A/WT	µg/L		0.154	<0.015	<0.015	<0.015	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/WT	µg/L		0.075	<0.010	<0.010	<0.010	----	----	----
Naphthalene	91-20-3	E641A/WT	µg/L		0.127	<0.050	<0.050	<0.050	----	----	----
Phenanthrene	85-01-8	E641A/WT	µg/L		<0.022 DLM	<0.020	<0.020	<0.020	----	----	----
Pyrene	129-00-0	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
Quinoline	91-22-5	E641A/WT	µg/L		<0.070 DLM	<0.060 DLM	<0.050	<0.050	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	----	----	----
PAHs, high molecular weight (BC AWQ)	n/a	E641A/WT	µg/L		<0.030	<0.030	<0.030	<0.030	----	----	----
PAHs, low molecular weight (BC AWQ)	n/a	E641A/WT	µg/L		0.127	<0.060	<0.060	<0.060	----	----	----
PAHs, total (CCME sewer 18)	n/a	E641A/WT	µg/L		0.281	<0.070	<0.070	<0.070	----	----	----
PAHs, total (EPA 16)	n/a	E641A/WT	µg/L		0.127	<0.065	<0.065	<0.065	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Chrysene-d12	1719-03-5	E641A/WT	%		83.9	99.9	122	112	----	----	----
Naphthalene-d8	1146-65-2	E641A/WT	%		116	112	122	115	----	----	----

Matrix: Water			Client sample ID	REP-2 ----	REP-2a ----	REP-5 ----	REP-6 ----	----	----	----
			Client sampling date / time	19-Aug-2025 09:00	20-Aug-2025 09:30	19-Aug-2025 10:00	20-Aug-2025 10:30	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WP2514520-001	WP2514520-002	WP2514520-003	WP2514520-004	----	----	----
				Result	Result	Result	Result	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Phenanthrene-d10	1517-22-2	E641A/WT	%	99.4	108	115	114	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

ALS Canada Ltd.

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QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WP2514520**	Page	: 1 of 20
Client	: **Government of Nunavut**	Laboratory	: ALS Environmental - Winnipeg
Contact	: Bobby M	Account Manager	: Daniel Rocha
Address	: Repulse Bay - Naujaat GN-CGS Gen Del Naujaat / Repulse Bay NU Canada X0C 0H0	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg, Manitoba Canada R2J 3T4
Telephone	: ----	Telephone	: +1 204 255 9720
Project	: NAUJAAT DRINKING WATER CHEMISTRY	Date Samples Received	: 27-Aug-2025 10:00
PO	: ----	Issue Date	: 08-Sep-2025 13:45
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Analytical Testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / **Container / Client Sample ID(s)**	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times* Rec	*Holding Times* Actual	*Eval*	*Analysis Date*	*Holding Times* Rec	*Holding Times* Actual	*Eval*
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT-48h] REP-6	E550	20-Aug-2025	----	----	----		28-Aug-2025	48 hrs	199 hrs	× EHTR
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT-48h] REP-2a	E550	20-Aug-2025	----	----	----		28-Aug-2025	48 hrs	200 hrs	× EHTR
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT-48h] REP-5	E550	19-Aug-2025	----	----	----		28-Aug-2025	48 hrs	223 hrs	× EHTR
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT-48h] REP-2	E550	19-Aug-2025	----	----	----		28-Aug-2025	48 hrs	224 hrs	× EHTR
Aggregate Organics : Biochemical Oxygen Demand (Carbonaceous) - 5 day										
HDPE [BOD HT-48h] REP-6	E555	20-Aug-2025	----	----	----		28-Aug-2025	48 hrs	199 hrs	× EHTR
Aggregate Organics : Biochemical Oxygen Demand (Carbonaceous) - 5 day										
HDPE [BOD HT-48h] REP-2a	E555	20-Aug-2025	----	----	----		28-Aug-2025	48 hrs	200 hrs	× EHTR
Aggregate Organics : Biochemical Oxygen Demand (Carbonaceous) - 5 day										
HDPE [BOD HT-48h] REP-5	E555	19-Aug-2025	----	----	----		28-Aug-2025	48 hrs	223 hrs	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand (Carbonaceous) - 5 day										
HDPE [BOD HT-48h] REP-2	E555	19-Aug-2025	----	----	----		28-Aug-2025	48 hrs	224 hrs	× EHTR
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) REP-6	E567	20-Aug-2025	02-Sep-2025	28 days	13 days	✓	04-Sep-2025	28 days	13 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) REP-2a	E567	20-Aug-2025	02-Sep-2025	28 days	14 days	✓	04-Sep-2025	28 days	14 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) REP-2	E567	19-Aug-2025	02-Sep-2025	28 days	15 days	✓	04-Sep-2025	28 days	15 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) REP-5	E567	19-Aug-2025	02-Sep-2025	28 days	15 days	✓	04-Sep-2025	28 days	15 days	✓
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) REP-2a	E562	20-Aug-2025	02-Sep-2025	28 days	13 days	✓	04-Sep-2025	28 days	13 days	✓
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) REP-6	E562	20-Aug-2025	02-Sep-2025	28 days	13 days	✓	04-Sep-2025	28 days	13 days	✓
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) REP-2	E562	19-Aug-2025	02-Sep-2025	28 days	14 days	✓	04-Sep-2025	28 days	14 days	✓
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) REP-5	E562	19-Aug-2025	02-Sep-2025	28 days	14 days	✓	04-Sep-2025	28 days	14 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) REP-2a	E298	20-Aug-2025	27-Aug-2025	28 days	7 days	✓	29-Aug-2025	28 days	7 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) REP-6	E298	20-Aug-2025	27-Aug-2025	28 days	7 days	✓	29-Aug-2025	28 days	7 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) REP-2	E298	19-Aug-2025	27-Aug-2025	28 days	8 days	✓	29-Aug-2025	28 days	8 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) REP-5	E298	19-Aug-2025	27-Aug-2025	28 days	8 days	✓	29-Aug-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE REP-2a	E235.Cl	20-Aug-2025	28-Aug-2025	28 days	8 days	✓	28-Aug-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE REP-6	E235.Cl	20-Aug-2025	28-Aug-2025	28 days	8 days	✓	28-Aug-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE REP-2	E235.Cl	19-Aug-2025	28-Aug-2025	28 days	9 days	✓	28-Aug-2025	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE REP-5	E235.Cl	19-Aug-2025	28-Aug-2025	28 days	9 days	✓	28-Aug-2025	28 days	9 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE REP-6	E235.NO3	20-Aug-2025	28-Aug-2025	3 days	7 days	× EHTR	28-Aug-2025	3 days	7 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE REP-2a	E235.NO3	20-Aug-2025	28-Aug-2025	3 days	8 days	× EHTR	28-Aug-2025	3 days	8 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE REP-2	E235.NO3	19-Aug-2025	28-Aug-2025	3 days	9 days	× EHTR	28-Aug-2025	3 days	9 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE REP-5	E235.NO3	19-Aug-2025	28-Aug-2025	3 days	9 days	× EHTR	28-Aug-2025	3 days	9 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE REP-6	E235.NO2	20-Aug-2025	28-Aug-2025	3 days	7 days	× EHTR	28-Aug-2025	3 days	7 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE REP-2a	E235.NO2	20-Aug-2025	28-Aug-2025	3 days	8 days	× EHTR	28-Aug-2025	3 days	8 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE REP-2	E235.NO2	19-Aug-2025	28-Aug-2025	3 days	9 days	× EHTR	28-Aug-2025	3 days	9 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE REP-5	E235.NO2	19-Aug-2025	28-Aug-2025	3 days	9 days	× EHTR	28-Aug-2025	3 days	9 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE REP-2a	E235.SO4	20-Aug-2025	28-Aug-2025	28 days	8 days	✓	28-Aug-2025	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE REP-6	E235.SO4	20-Aug-2025	28-Aug-2025	28 days	8 days	✓	28-Aug-2025	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times* Rec	*Holding Times* Actual	*Eval*	*Analysis Date*	*Holding Times* Rec	*Holding Times* Actual	*Eval*
Anions and Nutrients : Sulfate in Water by IC										
HDPE REP-2	E235.SO4	19-Aug-2025	28-Aug-2025	28 days	9 days	✓	28-Aug-2025	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE REP-5	E235.SO4	19-Aug-2025	28-Aug-2025	28 days	9 days	✓	28-Aug-2025	28 days	9 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.02 mg/L)										
Amber glass total (sulfuric acid) REP-2	E372	19-Aug-2025	29-Aug-2025	28 days	10 days	✓	29-Aug-2025	28 days	10 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.02 mg/L)										
Amber glass total (sulfuric acid) REP-5	E372	19-Aug-2025	29-Aug-2025	28 days	10 days	✓	29-Aug-2025	28 days	10 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.02 mg/L)										
Amber glass total (sulfuric acid) REP-2a	E372	20-Aug-2025	29-Aug-2025	28 days	9 days	✓	29-Aug-2025	28 days	9 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.02 mg/L)										
Amber glass total (sulfuric acid) REP-6	E372	20-Aug-2025	29-Aug-2025	28 days	9 days	✓	29-Aug-2025	28 days	9 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) REP-2a	E581.F1	20-Aug-2025	28-Aug-2025	14 days	8 days	✓	29-Aug-2025	14 days	8 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) REP-6	E581.F1	20-Aug-2025	28-Aug-2025	14 days	8 days	✓	29-Aug-2025	14 days	8 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) REP-2	E581.F1	19-Aug-2025	28-Aug-2025	14 days	9 days	✓	29-Aug-2025	14 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) REP-5	E581.F1	19-Aug-2025	28-Aug-2025	14 days	9 days	✓	29-Aug-2025	14 days	9 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) REP-2	E601	19-Aug-2025	29-Aug-2025	14 days	10 days	✓	29-Aug-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) REP-5	E601	19-Aug-2025	29-Aug-2025	14 days	10 days	✓	29-Aug-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) REP-2a	E601	20-Aug-2025	29-Aug-2025	14 days	9 days	✓	29-Aug-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) REP-6	E601	20-Aug-2025	29-Aug-2025	14 days	9 days	✓	29-Aug-2025	40 days	0 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) REP-6	E010.FC	20-Aug-2025	----	----	----		28-Aug-2025	30 hrs	197 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) REP-2a	E010.FC	20-Aug-2025	----	----	----		28-Aug-2025	30 hrs	198 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) REP-5	E010.FC	19-Aug-2025	----	----	----		28-Aug-2025	30 hrs	222 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) REP-2	E010.FC	19-Aug-2025	----	----	----		28-Aug-2025	30 hrs	223 hrs	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid)										
REP-2a	E355-L	20-Aug-2025	27-Aug-2025	28 days	7 days	✓	29-Aug-2025	28 days	7 days	✓
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid)										
REP-6	E355-L	20-Aug-2025	27-Aug-2025	28 days	7 days	✓	29-Aug-2025	28 days	7 days	✓
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid)										
REP-2	E355-L	19-Aug-2025	27-Aug-2025	28 days	8 days	✓	29-Aug-2025	28 days	8 days	✓
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid)										
REP-5	E355-L	19-Aug-2025	27-Aug-2025	28 days	8 days	✓	29-Aug-2025	28 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
REP-2a	E290	20-Aug-2025	28-Aug-2025	14 days	8 days	✓	28-Aug-2025	14 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
REP-6	E290	20-Aug-2025	28-Aug-2025	14 days	8 days	✓	28-Aug-2025	14 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
REP-2	E290	19-Aug-2025	28-Aug-2025	14 days	9 days	✓	28-Aug-2025	14 days	9 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
REP-5	E290	19-Aug-2025	28-Aug-2025	14 days	9 days	✓	28-Aug-2025	14 days	9 days	✓
Physical Tests : Conductivity in Water										
HDPE										
REP-2a	E100	20-Aug-2025	28-Aug-2025	28 days	8 days	✓	28-Aug-2025	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE REP-6	E100	20-Aug-2025	28-Aug-2025	28 days	8 days	✓	28-Aug-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE REP-2	E100	19-Aug-2025	28-Aug-2025	28 days	9 days	✓	28-Aug-2025	28 days	9 days	✓
Physical Tests : Conductivity in Water										
HDPE REP-5	E100	19-Aug-2025	28-Aug-2025	28 days	9 days	✓	28-Aug-2025	28 days	9 days	✓
Physical Tests : pH by Meter										
HDPE REP-6	E108	20-Aug-2025	28-Aug-2025	0.25 hrs	192 hrs	× EHTR-FM	28-Aug-2025	0.25 hrs	192 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE REP-2a	E108	20-Aug-2025	28-Aug-2025	0.25 hrs	193 hrs	× EHTR-FM	28-Aug-2025	0.25 hrs	193 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE REP-5	E108	19-Aug-2025	28-Aug-2025	0.25 hrs	217 hrs	× EHTR-FM	28-Aug-2025	0.25 hrs	217 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE REP-2	E108	19-Aug-2025	28-Aug-2025	0.25 hrs	218 hrs	× EHTR-FM	28-Aug-2025	0.25 hrs	218 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry										
HDPE REP-2	E160	19-Aug-2025	----	----	----		29-Aug-2025	7 days	10 days	× EHTR
Physical Tests : TSS by Gravimetry										
HDPE REP-5	E160	19-Aug-2025	----	----	----		29-Aug-2025	7 days	10 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times*		*Eval*	*Analysis Date*	*Holding Times*		*Eval*
				Rec	*Actual*			*Rec*	*Actual*	
Physical Tests : TSS by Gravimetry										
HDPE										
REP-2a	E160	20-Aug-2025	----	----	----		29-Aug-2025	7 days	9 days	× EHTL
Physical Tests : TSS by Gravimetry										
HDPE										
REP-6	E160	20-Aug-2025	----	----	----		29-Aug-2025	7 days	9 days	× EHTL
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate)										
REP-2	E641A	19-Aug-2025	30-Aug-2025	14 days	11 days	✓	02-Sep-2025	40 days	3 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate)										
REP-5	E641A	19-Aug-2025	30-Aug-2025	14 days	11 days	✓	02-Sep-2025	40 days	3 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate)										
REP-6	E641A	20-Aug-2025	01-Sep-2025	14 days	12 days	✓	02-Sep-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate)										
REP-2a	E641A	20-Aug-2025	29-Aug-2025	14 days	9 days	✓	02-Sep-2025	40 days	4 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial total (hydrochloric acid)										
REP-2a	E508	20-Aug-2025	03-Sep-2025	28 days	14 days	✓	03-Sep-2025	28 days	14 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial total (hydrochloric acid)										
REP-6	E508	20-Aug-2025	03-Sep-2025	28 days	14 days	✓	03-Sep-2025	28 days	14 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial total (hydrochloric acid)										
REP-2	E508	19-Aug-2025	03-Sep-2025	28 days	15 days	✓	03-Sep-2025	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times*		*Eval*	*Analysis Date*	*Holding Times*		*Eval*
				Rec	*Actual*			*Rec*	*Actual*	
Total Metals : Total Mercury in Water by CVAAS										
Glass vial total (hydrochloric acid) REP-5	E508	19-Aug-2025	03-Sep-2025	28 days	15 days	✓	03-Sep-2025	28 days	15 days	✓
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) REP-2a	E420	20-Aug-2025	03-Sep-2025	180 days	14 days	✓	03-Sep-2025	180 days	14 days	✓
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) REP-6	E420	20-Aug-2025	03-Sep-2025	180 days	14 days	✓	03-Sep-2025	180 days	14 days	✓
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) REP-2	E420	19-Aug-2025	03-Sep-2025	180 days	15 days	✓	03-Sep-2025	180 days	15 days	✓
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) REP-5	E420	19-Aug-2025	03-Sep-2025	180 days	15 days	✓	03-Sep-2025	180 days	15 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass vial (sodium bisulfate) REP-2a	E611A	20-Aug-2025	28-Aug-2025	14 days	8 days	✓	29-Aug-2025	14 days	8 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass vial (sodium bisulfate) REP-6	E611A	20-Aug-2025	28-Aug-2025	14 days	8 days	✓	29-Aug-2025	14 days	8 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass vial (sodium bisulfate) REP-2	E611A	19-Aug-2025	28-Aug-2025	14 days	9 days	✓	29-Aug-2025	14 days	9 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass vial (sodium bisulfate) REP-5	E611A	19-Aug-2025	28-Aug-2025	14 days	9 days	✓	29-Aug-2025	14 days	9 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2188905	1	6	16.6	5.0	✓
Conductivity in Water	E100	2190911	1	16	6.2	5.0	✓
pH by Meter	E108	2190913	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	2196245	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	2187858	0	4	0.0	5.0	×
Nitrite in Water by IC	E235.NO2	2187849	0	16	0.0	5.0	×
Nitrate in Water by IC	E235.NO3	2187850	0	16	0.0	5.0	×
Sulfate in Water by IC	E235.SO4	2187852	1	8	12.5	5.0	✓
Alkalinity Species by Titration	E290	2190912	1	15	6.6	5.0	✓
Ammonia by Fluorescence	E298	2189690	1	20	5.0	5.0	✓
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2190467	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.02 mg/L)	E372	2191279	1	20	5.0	5.0	✓
Total Metals in Water by CRC ICPMS	E420	2196059	1	18	5.5	5.0	✓
Total Mercury in Water by CVAAS	E508	2196131	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2188932	1	20	5.0	5.0	✓
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555	2188929	1	20	5.0	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	2193853	1	20	5.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2189570	1	17	5.8	5.0	✓
BTEX by Headspace GC-MS	E611A	2189571	1	17	5.8	5.0	✓
Laboratory Control Samples (LCS)							
Conductivity in Water	E100	2190911	1	16	6.2	5.0	✓
pH by Meter	E108	2190913	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	2196245	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	2187858	1	4	25.0	5.0	✓
Nitrite in Water by IC	E235.NO2	2187849	1	16	6.2	5.0	✓
Nitrate in Water by IC	E235.NO3	2187850	1	16	6.2	5.0	✓
Sulfate in Water by IC	E235.SO4	2187852	1	8	12.5	5.0	✓
Alkalinity Species by Titration	E290	2190912	1	15	6.6	5.0	✓
Ammonia by Fluorescence	E298	2189690	1	20	5.0	5.0	✓
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2190467	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.02 mg/L)	E372	2191279	1	20	5.0	5.0	✓
Total Metals in Water by CRC ICPMS	E420	2196059	1	18	5.5	5.0	✓
Total Mercury in Water by CVAAS	E508	2196131	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2188932	1	20	5.0	5.0	✓
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555	2188929	1	20	5.0	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	2193853	1	20	5.0	5.0	✓

Matrix: **Water**

Evaluation: ✗ = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Control Samples (LCS) - Continued							
Oil & Grease by Gravimetry	E567	2195732	1	13	7.6	5.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2189570	1	17	5.8	5.0	✓
CCME PHCs - F2-F4 by GC-FID	E601	2190314	1	8	12.5	5.0	✓
BTEX by Headspace GC-MS	E611A	2189571	1	17	5.8	5.0	✓
PAHs in Water by Hexane LVI GC-MS	E641A	2190649	3	20	15.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2188905	1	6	16.6	5.0	✓
Conductivity in Water	E100	2190911	1	16	6.2	5.0	✓
TSS by Gravimetry	E160	2196245	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	2187858	1	4	25.0	5.0	✓
Nitrite in Water by IC	E235.NO2	2187849	1	16	6.2	5.0	✓
Nitrate in Water by IC	E235.NO3	2187850	1	16	6.2	5.0	✓
Sulfate in Water by IC	E235.SO4	2187852	1	8	12.5	5.0	✓
Alkalinity Species by Titration	E290	2190912	1	15	6.6	5.0	✓
Ammonia by Fluorescence	E298	2189690	1	20	5.0	5.0	✓
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2190467	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.02 mg/L)	E372	2191279	1	20	5.0	5.0	✓
Total Metals in Water by CRC ICPMS	E420	2196059	1	18	5.5	5.0	✓
Total Mercury in Water by CVAAS	E508	2196131	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2188932	1	20	5.0	5.0	✓
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555	2188929	1	20	5.0	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	2193853	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2195732	1	13	7.6	5.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2189570	1	17	5.8	5.0	✓
CCME PHCs - F2-F4 by GC-FID	E601	2190314	1	8	12.5	5.0	✓
BTEX by Headspace GC-MS	E611A	2189571	1	17	5.8	5.0	✓
PAHs in Water by Hexane LVI GC-MS	E641A	2190649	3	20	15.0	5.0	✓
Matrix Spikes (MS)							
Chloride in Water by IC	E235.Cl	2187858	0	4	0.0	5.0	✗
Nitrite in Water by IC	E235.NO2	2187849	0	16	0.0	5.0	✗
Nitrate in Water by IC	E235.NO3	2187850	0	16	0.0	5.0	✗
Sulfate in Water by IC	E235.SO4	2187852	1	8	12.5	5.0	✓
Ammonia by Fluorescence	E298	2189690	1	20	5.0	5.0	✓
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2190467	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.02 mg/L)	E372	2191279	1	20	5.0	5.0	✓
Total Metals in Water by CRC ICPMS	E420	2196059	1	18	5.5	5.0	✓
Total Mercury in Water by CVAAS	E508	2196131	1	20	5.0	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	2193853	1	20	5.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2189570	1	17	5.8	5.0	✓

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Matrix Spikes (MS) - Continued							
BTEX by Headspace GC-MS	E611A	2189571	1	17	5.8	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Winnipeg	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
Conductivity in Water	E100 ALS Environmental - Winnipeg	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 ALS Environmental - Winnipeg	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Winnipeg	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Chloride in Water by IC	E235.Cl ALS Environmental - Winnipeg	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 ALS Environmental - Winnipeg	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 ALS Environmental - Winnipeg	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 ALS Environmental - Winnipeg	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 ALS Environmental - Winnipeg	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Ammonia by Fluorescence	E298 ALS Environmental - Winnipeg	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021)
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L ALS Environmental - Winnipeg	Water	APHA 5310 B (mod)	Total Organic Carbon (Non-Purgeable), also known as NPOC (total), is a direct measurement of TOC after an acidified sample has been purged to remove carbonate-based Inorganic Carbon (IC). Analysis is by high temperature combustion with infrared detection of CO2. Forms of carbon associated with inorganic or organic molecules (e.g. SCN and CN) are included in NPOC if they are not removed by purging under acidic conditions. Notably, NPOC excludes most volatile organic compounds and free cyanide. For samples where the majority of Total Carbon is inorganic, this method provides greater accuracy and reliability versus the TOC by subtraction method (TC minus TIC).
Total Phosphorus by Colourimetry (0.02 mg/L)	E372 ALS Environmental - Winnipeg	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Total Metals in Water by CRC ICPMS	E420 ALS Environmental - Winnipeg	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Total Mercury in Water by CVAAS	E508 ALS Environmental - Winnipeg	Water	EPA 1631E (mod)	Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Winnipeg	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Biochemical Oxygen Demand (Carbonaceous) - 5 day	E555 ALS Environmental - Winnipeg	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Nitrification inhibitor is added to samples to prevent nitrogenous compounds from consuming oxygen resulting in only carbonaceous oxygen demand being reported by this method. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Phenols (4AAP) in Water by Colorimetry	E562 ALS Environmental - Waterloo	Water	EPA 9066	This automated method is based on the distillation of phenol and subsequent reaction of the distillate with alkaline ferricyanide (K3Fe(CN)6) and 4-amino-antipyrine (4-AAP) to form a red complex which is measured colorimetrically.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease by Gravimetry	E567 ALS Environmental - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
CCME PHC - F1 by Headspace GC-FID	E581.F1 ALS Environmental - Winnipeg	Water	CCME PHC in Soil - Tier 1	CCME Fraction 1 (F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
CCME PHCs - F2-F4 by GC-FID	E601 ALS Environmental - Winnipeg	Water	CCME PHC in Soil - Tier 1	Sample extracts are analyzed by GC-FID for CCME hydrocarbon fractions (F2-F4). Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
BTEX by Headspace GC-MS	E611A ALS Environmental - Winnipeg	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
PAHs in Water by Hexane LVI GC-MS	E641A ALS Environmental - Waterloo	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
Hardness (Calculated) from Total Ca/Mg	EC100A ALS Environmental - Winnipeg	Water	APHA 2340B	"Hardness (as CaCO3), from total Ca/Mg" is calculated from the sum of total Calcium and Magnesium concentrations, expressed as CaCO3 equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because hardness is a property of water due to dissolved divalent cations. In non-turbid waters, Hardness from total Ca/Mg is normally comparable to Dissolved Hardness, but may be biased high if particulate forms of Ca or Mg are present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N ALS Environmental - Winnipeg	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).
F1-BTEX	EC580 ALS Environmental - Winnipeg	Water	CCME PHC in Soil - Tier 1	F1-BTEX is calculated as follows: F1-BTEX = F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 ALS Environmental - Winnipeg	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Preparation for Total Organic Carbon by Combustion	EP355 ALS Environmental - Winnipeg	Water		Preparation for Total Organic Carbon by Combustion
Digestion for Total Phosphorus in water	EP372 ALS Environmental - Winnipeg	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
VOCs Preparation for Headspace Analysis	EP581 ALS Environmental - Winnipeg	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into a GC-MS-FID.
PHCs and PAHs Hexane Extraction	EP601 ALS Environmental - Waterloo	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.

QUALITY CONTROL REPORT

Work Order	: **WP2514520**	Page	: 1 of 17
Client	: Government of Nunavut	Laboratory	: ALS Environmental - Winnipeg
Contact	: Bobby M	Account Manager	: Daniel Rocha
Address	: Repulse Bay - Naujaat GN-CGS Gen Del Naujaat / Repulse Bay NU Canada X0C 0H0	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg, Manitoba Canada R2J 3T4
Telephone	: ----	Telephone	: +1 204 255 9720
Project	: NAUJAAT DRINKING WATER CHEMISTRY	Date Samples Received	: 27-Aug-2025 10:00
PO	: ----	Date Analysis Commenced	: 27-Aug-2025
C-O-C number	: ----	Issue Date	: 08-Sep-2025 13:46
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Analytical Testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brennan Dugas	Analyst	Winnipeg Microbiology, Winnipeg, Manitoba
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Lee McTavish		Winnipeg Inorganics, Winnipeg, Manitoba
Lee McTavish		Winnipeg Metals, Winnipeg, Manitoba
Livia Ciolan	Analyst	Winnipeg Organics, Winnipeg, Manitoba
Manjit Brar	Analyst	Winnipeg Organics, Winnipeg, Manitoba
Manuel TavaraTello	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario
Ryan Velasco		Winnipeg Organics, Winnipeg, Manitoba
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 2190911)											
WP2514499-001	Anonymous	Conductivity	----	E100	2.0	µS/cm	1100	1100	0.182%	10%	----
Physical Tests (QC Lot: 2190912)											
WP2514499-001	Anonymous	Alkalinity, total (as CaCO3)	----	E290	1.0	mg/L	290	288	0.554%	20%	----
Physical Tests (QC Lot: 2190913)											
WP2514499-001	Anonymous	pH	----	E108	0.10	pH units	8.52	8.53	0.117%	4%	----
Physical Tests (QC Lot: 2196245)											
WP2514468-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	10.8	11.0	0.2	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2187852)											
WP2514517-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	7.56	7.51	0.683%	20%	----
Anions and Nutrients (QC Lot: 2189690)											
WP2514470-011	Anonymous	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0295	0.0296	0.0002	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2191279)											
WP2514514-002	Anonymous	Phosphorus, total	7723-14-0	E372	0.020	mg/L	0.204	0.209	2.56%	20%	----
Organic / Inorganic Carbon (QC Lot: 2190467)											
WP2514470-010	Anonymous	Carbon, total organic [TOC]	----	E355-L	0.50	mg/L	8.66	8.63	0.365%	20%	----
Microbiological Tests (QC Lot: 2188905)											
WP2514520-001	REP-2	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----
Total Metals (QC Lot: 2196059)											
WP2514470-006	Anonymous	Aluminum, total	7429-90-5	E420	0.0030	mg/L	0.0896	0.0916	2.22%	20%	----
		Antimony, total	7440-36-0	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00010	mg/L	0.00106	0.00110	4.02%	20%	----
		Barium, total	7440-39-3	E420	0.00010	mg/L	0.0194	0.0194	0.410%	20%	----
		Beryllium, total	7440-41-7	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Bismuth, total	7440-69-9	E420	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Boron, total	7440-42-8	E420	0.010	mg/L	0.014	0.014	0.0003	Diff <2x LOR	----
		Cadmium, total	7440-43-9	E420	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.050	mg/L	25.9	25.5	1.56%	20%	----
		Cesium, total	7440-46-2	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Chromium, total	7440-47-3	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Cobalt, total	7440-48-4	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Total Metals (QC Lot: 2196059) - continued											
WP2514470-006	Anonymous	Copper, total	7440-50-8	E420	0.00050	mg/L	0.00062	0.00061	0.00001	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.010	mg/L	0.085	0.085	0.0005	Diff <2x LOR	----
		Lead, total	7439-92-1	E420	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Lithium, total	7439-93-2	E420	0.0010	mg/L	0.0075	0.0075	0.00001	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.0050	mg/L	10.7	10.9	2.42%	20%	----
		Manganese, total	7439-96-5	E420	0.00010	mg/L	0.00521	0.00515	1.20%	20%	----
		Molybdenum, total	7439-98-7	E420	0.000050	mg/L	0.000413	0.000385	0.000028	Diff <2x LOR	----
		Nickel, total	7440-02-0	E420	0.00050	mg/L	0.00056	0.00054	0.00002	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.050	mg/L	0.050	<0.050	0.00004	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.050	mg/L	2.34	2.31	1.12%	20%	----
		Rubidium, total	7440-17-7	E420	0.00020	mg/L	0.00145	0.00147	0.00002	Diff <2x LOR	----
		Selenium, total	7782-49-2	E420	0.000050	mg/L	0.000057	0.000130	0.000073	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.10	mg/L	1.82	1.86	1.77%	20%	----
		Silver, total	7440-22-4	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Sodium, total	7440-23-5	E420	0.050	mg/L	11.9	11.4	4.18%	20%	----
		Strontium, total	7440-24-6	E420	0.00020	mg/L	0.0840	0.0818	2.66%	20%	----
		Sulfur, total	7704-34-9	E420	0.50	mg/L	6.89	7.18	4.16%	20%	----
		Tellurium, total	13494-80-9	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Thallium, total	7440-28-0	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.00030	mg/L	0.00243	0.00300	0.00056	Diff <2x LOR	----
		Tungsten, total	7440-33-7	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Uranium, total	7440-61-1	E420	0.000010	mg/L	0.000201	0.000205	2.11%	20%	----
		Vanadium, total	7440-62-2	E420	0.00050	mg/L	0.00095	0.00095	0.000004	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0030	mg/L	<0.0030	<0.0030	0	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00020	mg/L	0.00024	<0.00020	0.00004	Diff <2x LOR	----
Total Metals (QC Lot: 2196131)											
WP2514164-004	Anonymous	Mercury, total	7439-97-6	E508	0.0000050	mg/L	0.0000154	0.0000147	0.0000007	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2188929)											
WP2514404-001	Anonymous	Carbonaceous biochemical oxygen demand [CBOD]	----	E555	2.0	mg/L	<2.0	<2.0	0.0%	30%	----
Aggregate Organics (QC Lot: 2188932)											
WP2514483-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	6.0	mg/L	18.6	18.8	1.1%	30%	----
Aggregate Organics (QC Lot: 2193853)											

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Aggregate Organics (QC Lot: 2193853) - continued											
TY2509354-005	Anonymous	Phenols, total (4AAP)	----	E562	0.0010	mg/L	0.0010	0.0011	0.00006	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2189571)											
WP2514345-001	Anonymous	Benzene	71-43-2	E611A	0.50	µg/L	<0.00050 mg/L	<0.50	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611A	0.50	µg/L	<0.00050 mg/L	<0.50	0	Diff <2x LOR	----
		Toluene	108-88-3	E611A	0.50	µg/L	<0.00050 mg/L	<0.50	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611A	0.40	µg/L	<0.00040 mg/L	<0.40	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611A	0.30	µg/L	<0.00030 mg/L	<0.30	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2189570)											
WP2514345-001	Anonymous	F1 (C6-C10)	----	E581.F1	100	µg/L	<0.10 mg/L	<100	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2190911)						
Conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 2190912)						
Alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Physical Tests (QCLot: 2196245)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Anions and Nutrients (QCLot: 2187849)						
Nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 2187850)						
Nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 2187852)						
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 2187858)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 2189690)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 2191279)						
Phosphorus, total	7723-14-0	E372	0.02	mg/L	<0.020	----
Organic / Inorganic Carbon (QCLot: 2190467)						
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	<0.50	----
Microbiological Tests (QCLot: 2188905)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Total Metals (QCLot: 2196059)						
Aluminum, total	7429-90-5	E420	0.003	mg/L	<0.0030	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	<0.00010	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	<0.00010	----
Barium, total	7440-39-3	E420	0.0001	mg/L	<0.00010	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	<0.000020	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	<0.000050	----
Boron, total	7440-42-8	E420	0.01	mg/L	<0.010	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	<0.0000050	----
Calcium, total	7440-70-2	E420	0.05	mg/L	<0.050	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	<0.000010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 2196059) - continued						
Chromium, total	7440-47-3	E420	0.0005	mg/L	<0.00050	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	<0.00010	----
Copper, total	7440-50-8	E420	0.0005	mg/L	<0.00050	----
Iron, total	7439-89-6	E420	0.01	mg/L	<0.010	----
Lead, total	7439-92-1	E420	0.00005	mg/L	<0.000050	----
Lithium, total	7439-93-2	E420	0.001	mg/L	<0.0010	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	<0.0050	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	<0.00010	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	<0.000050	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	<0.00050	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	<0.050	----
Potassium, total	7440-09-7	E420	0.05	mg/L	<0.050	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	<0.00020	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	<0.000050	----
Silicon, total	7440-21-3	E420	0.1	mg/L	<0.10	----
Silver, total	7440-22-4	E420	0.00001	mg/L	<0.000010	----
Sodium, total	7440-23-5	E420	0.05	mg/L	<0.050	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	<0.00020	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	<0.50	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	<0.00020	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	<0.000010	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	<0.00010	----
Tin, total	7440-31-5	E420	0.0001	mg/L	<0.00010	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	<0.00030	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	<0.00010	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	<0.000010	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	<0.00050	----
Zinc, total	7440-66-6	E420	0.003	mg/L	<0.0030	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	<0.00020	----
Total Metals (QCLot: 2196131)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----
Aggregate Organics (QCLot: 2188929)						
Carbonaceous biochemical oxygen demand [CBOD]	----	E555	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2188932)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Aggregate Organics (QCLot: 2193853)						
Phenols, total (4AAP)	----	E562	0.001	mg/L	<0.0010	----
Aggregate Organics (QCLot: 2195732)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Volatile Organic Compounds (QCLot: 2189571)						
Benzene	71-43-2	E611A	0.5	µg/L	<0.50	----
Ethylbenzene	100-41-4	E611A	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611A	0.5	µg/L	<0.50	----
Xylene, m+p-	179601-23-1	E611A	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611A	0.3	µg/L	<0.30	----
Hydrocarbons (QCLot: 2189570)						
F1 (C6-C10)	----	E581.F1	100	µg/L	<100	----
Hydrocarbons (QCLot: 2190314)						
F2 (C10-C16)	----	E601	100	µg/L	<100	----
F3 (C16-C34)	----	E601	250	µg/L	<250	----
F4 (C34-C50)	----	E601	250	µg/L	<250	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2190649)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Acridine	260-94-6	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2190649) - continued						
Quinoline	91-22-5	E641A	0.05	µg/L	<0.050	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2191490)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Acridine	260-94-6	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Quinoline	91-22-5	E641A	0.05	µg/L	<0.050	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2193218)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Acridine	260-94-6	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2193218) - continued						
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Quinoline	91-22-5	E641A	0.05	µg/L	<0.050	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2190911)									
Conductivity	----	E100	1	µS/cm	1410 µS/cm	99.8	90.0	110	----
Physical Tests (QCLot: 2190912)									
Alkalinity, total (as CaCO3)	----	E290	1	mg/L	100 mg/L	101	85.0	115	----
Physical Tests (QCLot: 2190913)									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
Physical Tests (QCLot: 2196245)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	93.1	85.0	115	----
Anions and Nutrients (QCLot: 2187849)									
Nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 2187850)									
Nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	99.1	90.0	110	----
Anions and Nutrients (QCLot: 2187852)									
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	99.8	90.0	110	----
Anions and Nutrients (QCLot: 2187858)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.1	90.0	110	----
Anions and Nutrients (QCLot: 2189690)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	102	85.0	115	----
Anions and Nutrients (QCLot: 2191279)									
Phosphorus, total	7723-14-0	E372	0.02	mg/L	0.5 mg/L	94.0	80.0	120	----
Organic / Inorganic Carbon (QCLot: 2190467)									
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	8.57 mg/L	104	80.0	120	----
Total Metals (QCLot: 2196059)									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	102	80.0	120	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	105	80.0	120	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	104	80.0	120	----
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	99.6	80.0	120	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	0.1 mg/L	104	80.0	120	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	102	80.0	120	----
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	95.8	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 2196059) - continued									
Cadmium, total	7440-43-9	E420	0.000005	mg/L	0.1 mg/L	100	80.0	120	----
Calcium, total	7440-70-2	E420	0.05	mg/L	50 mg/L	101	80.0	120	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	97.5	80.0	120	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	102	80.0	120	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	103	80.0	120	----
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	97.2	80.0	120	----
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	100	80.0	120	----
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	98.6	80.0	120	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	105	80.0	120	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	103	80.0	120	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	10 mg/L	104	80.0	120	----
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	101	80.0	120	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	102	80.0	120	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	95.2	80.0	120	----
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	104	80.0	120	----
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	88.8	80.0	120	----
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	102	80.0	120	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	100	80.0	120	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	101	80.0	120	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	96.6	80.0	120	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	103	80.0	120	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	96.0	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	101	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	100	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	103	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	96.3	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	102	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	104	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	94.4	80.0	120	----
Total Metals (QCLot: 2196131)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0 mg/L	95.1	80.0	120	----
Aggregate Organics (QCLot: 2188929)									

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Aggregate Organics (QCLot: 2188929) - continued									
Carbonaceous biochemical oxygen demand [CBOD]	----	E555	2	mg/L	198 mg/L	95.0	85.0	115	----
Aggregate Organics (QCLot: 2188932)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	98.1	85.0	115	----
Aggregate Organics (QCLot: 2193853)									
Phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	101	85.0	115	----
Aggregate Organics (QCLot: 2195732)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	97.9	70.0	130	----
Volatile Organic Compounds (QCLot: 2189571)									
Benzene	71-43-2	E611A	0.5	µg/L	100 µg/L	80.7	70.0	130	----
Ethylbenzene	100-41-4	E611A	0.5	µg/L	100 µg/L	85.6	70.0	130	----
Toluene	108-88-3	E611A	0.5	µg/L	100 µg/L	84.4	70.0	130	----
Xylene, m+p-	179601-23-1	E611A	0.4	µg/L	200 µg/L	88.2	70.0	130	----
Xylene, o-	95-47-6	E611A	0.3	µg/L	100 µg/L	87.0	70.0	130	----
Hydrocarbons (QCLot: 2189570)									
F1 (C6-C10)	----	E581.F1	100	µg/L	5280 µg/L	86.1	70.0	130	----
Hydrocarbons (QCLot: 2190314)									
F2 (C10-C16)	----	E601	100	µg/L	3400 µg/L	89.2	70.0	130	----
F3 (C16-C34)	----	E601	250	µg/L	6780 µg/L	81.4	70.0	130	----
F4 (C34-C50)	----	E601	250	µg/L	5840 µg/L	102	70.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2190649)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.526 µg/L	96.5	50.0	140	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.526 µg/L	91.5	50.0	140	----
Acridine	260-94-6	E641A	0.01	µg/L	0.526 µg/L	94.4	50.0	140	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.526 µg/L	86.2	50.0	140	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.526 µg/L	110	50.0	140	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.526 µg/L	103	50.0	140	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.526 µg/L	106	50.0	140	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.526 µg/L	121	50.0	140	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.526 µg/L	115	50.0	140	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.526 µg/L	110	50.0	140	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.526 µg/L	83.8	50.0	140	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.526 µg/L	97.5	50.0	140	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.526 µg/L	94.7	50.0	140	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2190649) - continued									
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.526 µg/L	112	50.0	140	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.526 µg/L	100	50.0	140	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.526 µg/L	95.5	50.0	140	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.526 µg/L	90.7	50.0	140	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.526 µg/L	105	50.0	140	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.526 µg/L	101	50.0	140	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.526 µg/L	103	50.0	140	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2191490)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.526 µg/L	97.9	50.0	140	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.526 µg/L	88.1	50.0	140	----
Acridine	260-94-6	E641A	0.01	µg/L	0.526 µg/L	85.6	50.0	140	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.526 µg/L	82.5	50.0	140	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.526 µg/L	97.6	50.0	140	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.526 µg/L	95.6	50.0	140	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.526 µg/L	95.2	50.0	140	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.526 µg/L	120	50.0	140	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.526 µg/L	115	50.0	140	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.526 µg/L	101	50.0	140	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.526 µg/L	98.4	50.0	140	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.526 µg/L	99.5	50.0	140	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.526 µg/L	94.1	50.0	140	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.526 µg/L	111	50.0	140	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.526 µg/L	90.1	50.0	140	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.526 µg/L	98.4	50.0	140	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.526 µg/L	96.0	50.0	140	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.526 µg/L	96.4	50.0	140	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.526 µg/L	97.8	50.0	140	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.526 µg/L	109	50.0	140	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2193218)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.526 µg/L	102	50.0	140	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.526 µg/L	94.9	50.0	140	----
Acridine	260-94-6	E641A	0.01	µg/L	0.526 µg/L	91.0	50.0	140	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.526 µg/L	92.4	50.0	140	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.526 µg/L	101	50.0	140	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.526 µg/L	98.5	50.0	140	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.526 µg/L	96.4	50.0	140	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2193218) - continued									
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.526 µg/L	114	50.0	140	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.526 µg/L	123	50.0	140	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.526 µg/L	106	50.0	140	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.526 µg/L	95.8	50.0	140	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.526 µg/L	104	50.0	140	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.526 µg/L	98.0	50.0	140	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.526 µg/L	98.1	50.0	140	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.526 µg/L	96.4	50.0	140	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.526 µg/L	105	50.0	140	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.526 µg/L	102	50.0	140	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.526 µg/L	101	50.0	140	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.526 µg/L	103	50.0	140	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.526 µg/L	101	50.0	140	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 2187852)										
WP2514517-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	98.2 mg/L	100 mg/L	98.2	75.0	125	----
Anions and Nutrients (QCLot: 2189690)										
WP2514470-011	Anonymous	Ammonia, total (as N)	7664-41-7	E298	0.0986 mg/L	0.1 mg/L	98.6	75.0	125	----
Anions and Nutrients (QCLot: 2191279)										
WP2514527-001	Anonymous	Phosphorus, total	7723-14-0	E372	ND mg/L	----	ND	70.0	130	----
Organic / Inorganic Carbon (QCLot: 2190467)										
WP2514470-011	Anonymous	Carbon, total organic [TOC]	----	E355-L	ND mg/L	----	ND	70.0	130	----
Total Metals (QCLot: 2196059)										
WP2514470-006	Anonymous	Aluminum, total	7429-90-5	E420	0.202 mg/L	0.2 mg/L	101	70.0	130	----
		Antimony, total	7440-36-0	E420	0.0203 mg/L	0.02 mg/L	102	70.0	130	----
		Arsenic, total	7440-38-2	E420	0.0211 mg/L	0.02 mg/L	106	70.0	130	----
		Barium, total	7440-39-3	E420	0.0193 mg/L	0.02 mg/L	96.6	70.0	130	----
		Beryllium, total	7440-41-7	E420	0.0404 mg/L	0.04 mg/L	101	70.0	130	----
		Bismuth, total	7440-69-9	E420	0.00924 mg/L	0.01 mg/L	92.4	70.0	130	----
		Boron, total	7440-42-8	E420	0.112 mg/L	0.1 mg/L	112	70.0	130	----
		Cadmium, total	7440-43-9	E420	0.00409 mg/L	0.004 mg/L	102	70.0	130	----
		Calcium, total	7440-70-2	E420	ND mg/L	----	ND	70.0	130	----
		Cesium, total	7440-46-2	E420	0.00973 mg/L	0.01 mg/L	97.3	70.0	130	----
		Chromium, total	7440-47-3	E420	0.0411 mg/L	0.04 mg/L	103	70.0	130	----
		Cobalt, total	7440-48-4	E420	0.0203 mg/L	0.02 mg/L	102	70.0	130	----
		Copper, total	7440-50-8	E420	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		Iron, total	7439-89-6	E420	2.03 mg/L	2 mg/L	102	70.0	130	----
		Lead, total	7439-92-1	E420	0.0194 mg/L	0.02 mg/L	97.0	70.0	130	----
		Lithium, total	7439-93-2	E420	0.0934 mg/L	0.1 mg/L	93.4	70.0	130	----
		Magnesium, total	7439-95-4	E420	ND mg/L	----	ND	70.0	130	----
		Manganese, total	7439-96-5	E420	0.0200 mg/L	0.02 mg/L	100	70.0	130	----
		Molybdenum, total	7439-98-7	E420	0.0218 mg/L	0.02 mg/L	109	70.0	130	----
		Nickel, total	7440-02-0	E420	0.0400 mg/L	0.04 mg/L	100.0	70.0	130	----
		Phosphorus, total	7723-14-0	E420	10.4 mg/L	10 mg/L	104	70.0	130	----
		Potassium, total	7440-09-7	E420	3.96 mg/L	4 mg/L	99.1	70.0	130	----
		Rubidium, total	7440-17-7	E420	0.0203 mg/L	0.02 mg/L	101	70.0	130	----
		Selenium, total	7782-49-2	E420	0.0394 mg/L	0.04 mg/L	98.5	70.0	130	----
		Silicon, total	7440-21-3	E420	10.2 mg/L	10 mg/L	102	70.0	130	----
		Silver, total	7440-22-4	E420	0.00393 mg/L	0.004 mg/L	98.3	70.0	130	----
		Sodium, total	7440-23-5	E420	ND mg/L	----	ND	70.0	130	----
		Strontium, total	7440-24-6	E420	ND mg/L	----	ND	70.0	130	----
		Sulfur, total	7704-34-9	E420	21.1 mg/L	20 mg/L	106	70.0	130	----

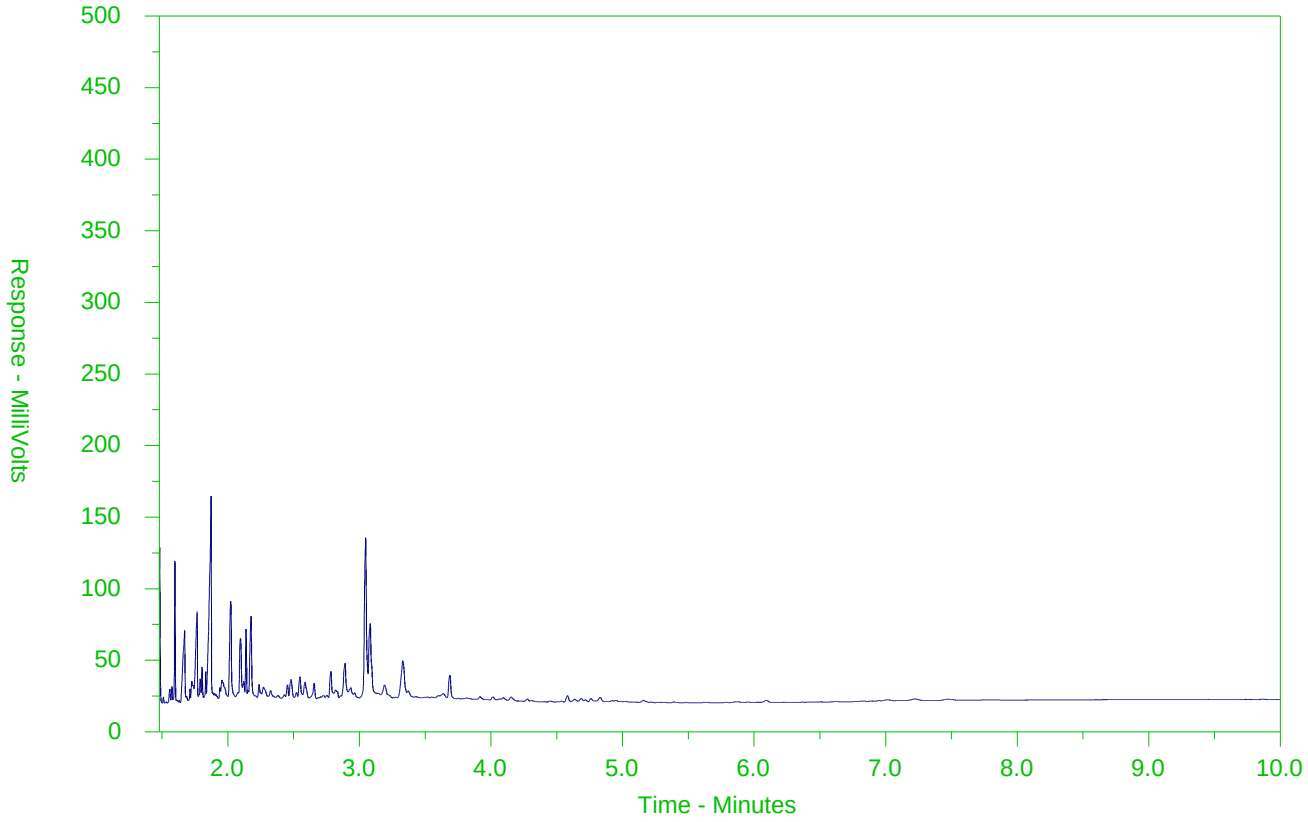
Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Total Metals (QCLot: 2196059) - continued										
WP2514470-006	Anonymous	Tellurium, total	13494-80-9	E420	0.0417 mg/L	0.04 mg/L	104	70.0	130	----
		Thallium, total	7440-28-0	E420	0.00399 mg/L	0.004 mg/L	99.8	70.0	130	----
		Thorium, total	7440-29-1	E420	0.0194 mg/L	0.02 mg/L	97.3	70.0	130	----
		Tin, total	7440-31-5	E420	0.0208 mg/L	0.02 mg/L	104	70.0	130	----
		Titanium, total	7440-32-6	E420	0.0421 mg/L	0.04 mg/L	105	70.0	130	----
		Tungsten, total	7440-33-7	E420	0.0214 mg/L	0.02 mg/L	107	70.0	130	----
		Uranium, total	7440-61-1	E420	0.00387 mg/L	0.004 mg/L	96.8	70.0	130	----
		Vanadium, total	7440-62-2	E420	0.104 mg/L	0.1 mg/L	104	70.0	130	----
		Zinc, total	7440-66-6	E420	0.406 mg/L	0.4 mg/L	101	70.0	130	----
		Zirconium, total	7440-67-7	E420	0.0425 mg/L	0.04 mg/L	106	70.0	130	----
Total Metals (QCLot: 2196131)										
WP2514345-001	Anonymous	Mercury, total	7439-97-6	E508	0.000102 mg/L	0 mg/L	102	70.0	130	----
Aggregate Organics (QCLot: 2193853)										
TY2509354-005	Anonymous	Phenols, total (4AAP)	----	E562	0.0204 mg/L	0.02 mg/L	102	75.0	125	----
Volatile Organic Compounds (QCLot: 2189571)										
WP2514345-001	Anonymous	Benzene	71-43-2	E611A	71.6 µg/L	100 µg/L	71.6	60.0	140	----
		Ethylbenzene	100-41-4	E611A	73.2 µg/L	100 µg/L	73.2	60.0	140	----
		Toluene	108-88-3	E611A	70.3 µg/L	100 µg/L	70.3	60.0	140	----
		Xylene, m+p-	179601-23-1	E611A	160 µg/L	200 µg/L	80.1	60.0	140	----
		Xylene, o-	95-47-6	E611A	74.3 µg/L	100 µg/L	74.3	60.0	140	----
Hydrocarbons (QCLot: 2189570)										
WP2514345-001	Anonymous	F1 (C6-C10)	----	E581.F1	4570 µg/L	5280 µg/L	86.6	60.0	140	----

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

right solutions.
right partner.

ALS Sample ID: WP2514520-001-E601
Client Sample ID: REP-2



← F2 →	← F3 →	← F4 →	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

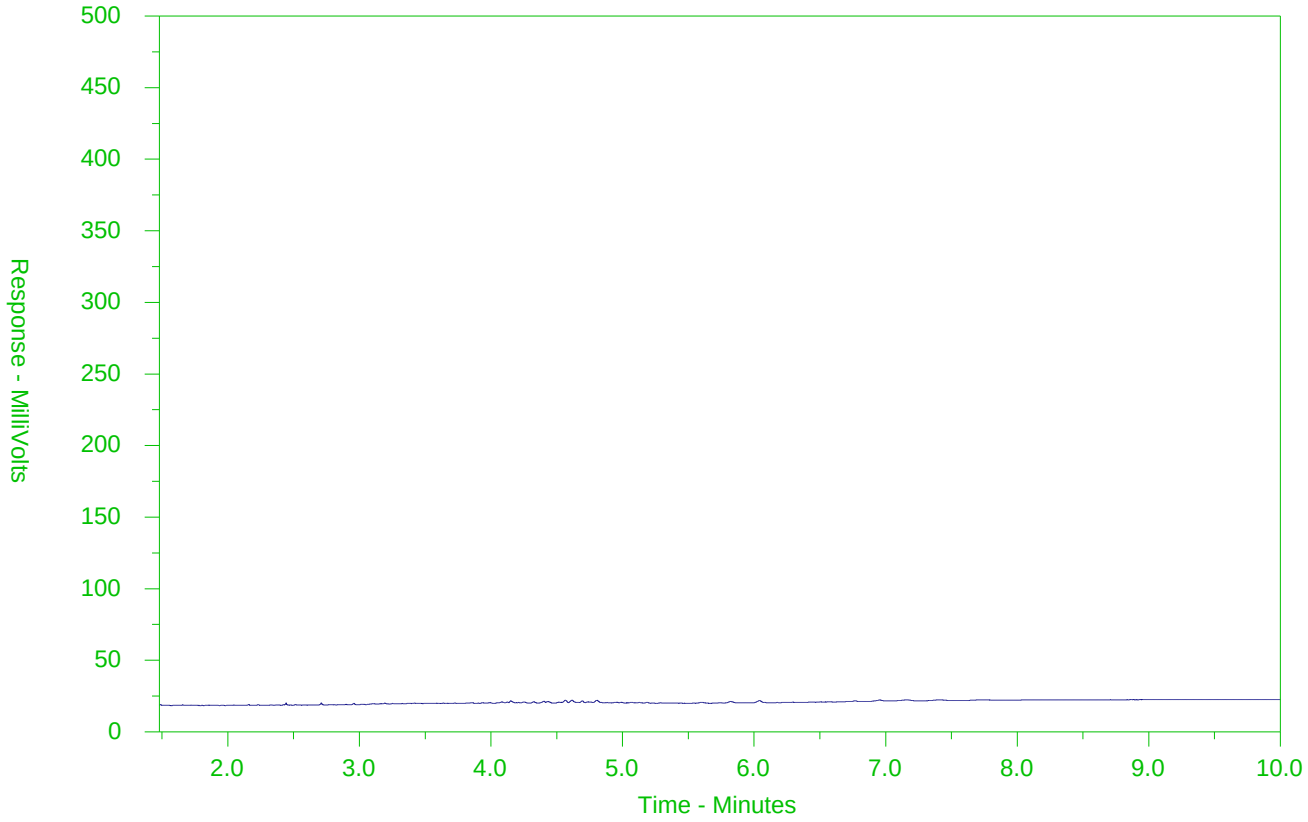
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

right solutions.
right partner.

ALS Sample ID: WP2514520-002-E601
Client Sample ID: REP-2a



← F2 →	← F3 →	← F4 →	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

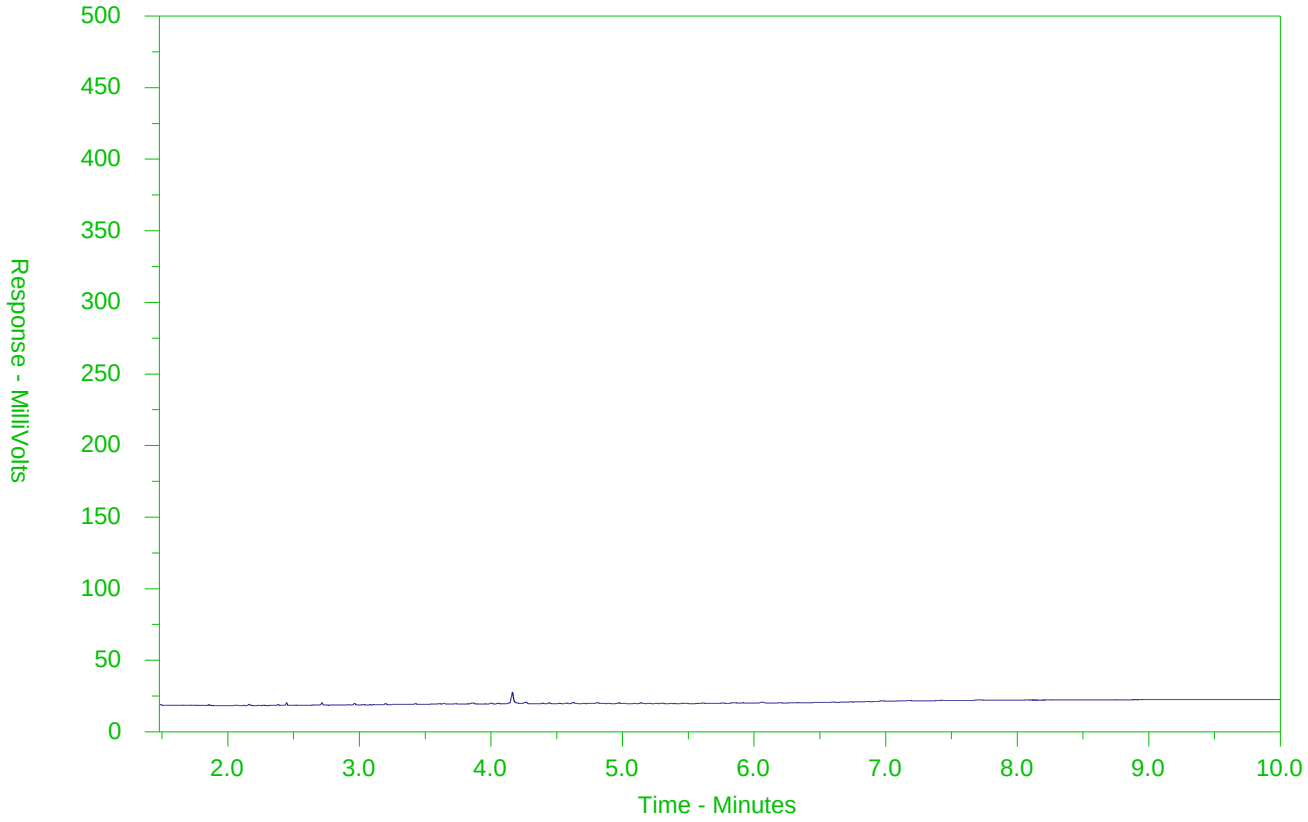
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

right solutions.
right partner.

ALS Sample ID: WP2514520-003-E601
Client Sample ID: REP-5



← F2 →	← F3 →	← F4 →	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

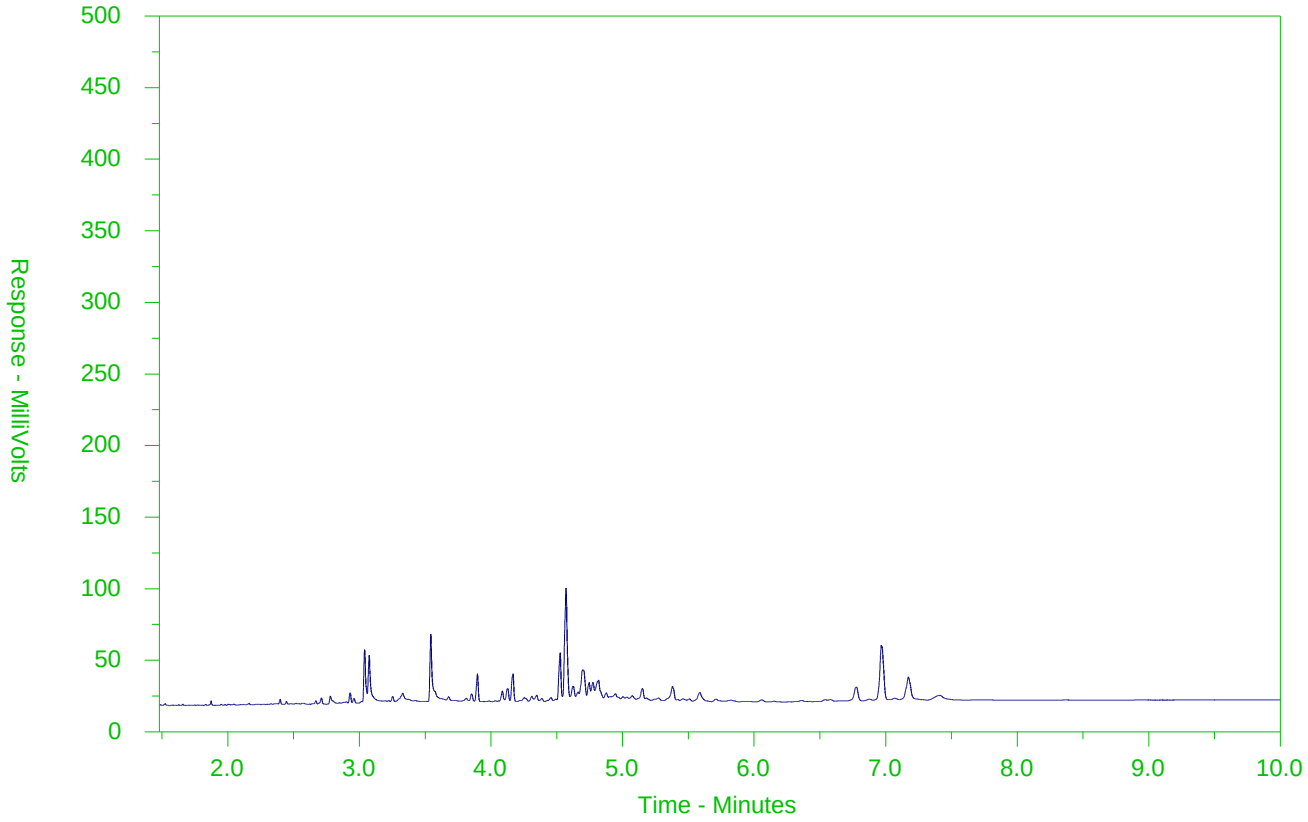
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

right solutions.
right partner.

ALS Sample ID: WP2514520-004-E601
Client Sample ID: REP-6



← F2 →	← F3 →	← F4 →	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
← Gasoline →		← Motor Oils/ Lube Oils/ Grease →	
← Diesel/ Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR library can be found at www.alsglobal.com.

www.alsglobal.com

Report To	
Company:	Municipality of Naujaat
Contact:	Bobby K, financenaujaat@qi...
Address:	PO Box 10 Naujaat, NU X0C 0H0
Phone:	

Invoice To	Same as Report To	☑ Yes
	Copy of Invoice with Report	☑ Yes
Company:		
Contact:		

Project Information

ALS Quote #:
Job #:
PO / AFE:
LSD:

ALS Lab Work Order # (lab use only)

ALS Sample # (lab use only)	Sample Identification ar... (This description will app...)
	REP-5
	REP-6

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☒ No

Are samples for human drinking water use? ☐ Yes ☒ No

SHIPMENT RELEASE (client use)

Released by: R Walton | 2025-08-19

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING...

Failure to complete all portions of this form may delay analysis. Please fill i...

1. If any water samples are taken from a Regulated Drinking Water (DW)...

---

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ___ of ___

Report To	
Company:	Municipality of Naujaat
Contact:	Bobby K, financenaujaat@qiniq.com
Address:	PO Box 10 Naujaat, NU X0C 0H0
Phone:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☐ Yes ☐ No

☐ Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: financenaujaat@qiniq.com

Email 2: kivalliqwatersamples@gov.nu.ca

Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)

- R ☑ Regular (Standard TAT if received by 3 pm - business days)
- P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
- E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
- E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge

Specify Date Required for E2,E or P:

Invoice To	Same as Report To	☐ Yes ☐ No
	Copy of Invoice with Report	☐ Yes ☐ No
Company:		
Contact:		

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: financenaujaat@qiniq.com

Email 2:

Project Information

ALS Quote #:
Job #:
PO / AFE:
LSD:

Oil and Gas Required Fields (client use)

Approver ID: | Cost Center:
GL Account: | Routing Code:
Activity Code:
Location:

ALS Lab Work Order # (lab use only)

ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NU Leachate Package	Number of Containers
	REP-2	2025-08-19	9:00	Waste	✓	16
	REP-2A	2025-08-20	9:30	Waste	✓	16

Environmental Division
Winnipeg
Work Order Reference
WP2514520
Telephone : +1 204 255 9720

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☒ No

Are samples for human drinking water use? ☐ Yes ☒ No

Special Instructions / Specify Criteria to add on report (client Use)

No field filter

SAMPLE CONDITION...

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice packs Yes ☐ No ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C: 6.6

FINAL COOLER TEMPERATURES °C:

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: R Walton	2025-08-19	Time: 15:30	Received by:	Date:	Time:	Received by: RS	Date: Aug 21/25	Time: 10:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NAFM-0326e v05 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number: 15 -

Page 1 of 1

Report To	Contact and company name below will appear on the final report
Company:	Hamlet of Naujaat
Contact:	Kevin Tegumiar
Phone:	867-462-9952
	Company address below will appear on the final report
Street:	PO Box 10
City/Province:	Naujaat, NU
Postal Code:	X0C 0H0
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☐ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: saonaujaat@qiniq.com
Email 2: mgavin@gov.nu.ca
Email 3: mlusty@gov.nu.ca

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax
Email 2

Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days)		EMERGENCY	
4 day [P4]	☐	1 Business day [E1]	☐
3 day [P3]	☐	Same Day, Weekend or Statutory holiday [E0]	☐
2 day [P2]	☐		

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	W10624
Job #:	
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only)	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	
ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD	Routine	CBOD	Total Metals	Total Mercury	Nutrients/Phenols (x2)	Bacteria	Oil & Grease (x2)	BTEX-F1 (x3)	F2-F4 (x2)	PAH (x2)			Number of Containers
	REP-2			Effluent	R	R	R	R	R	R	R	R	R	R	R			17
	REP-2a			Effluent	R	R	R	R	R	R	R	R	R	R	R			17
	REP-5			Effluent	R	R	R	R	R	R	R	R	R	R	R			17
	REP-6			Effluent	R	R	R	R	R	R	R	R						10

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human drinking water use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

NUNAVUT-WW-GRP1-WP, BTEX, F1-F4, PAH

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Municipality of Naujaat	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Bobby K, financenaujaat@qjariq.com	Quality Control (QC) Report with Report ☐ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	PO Box 10	☐ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
	Naujaat, NU X0C 0H0	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax financenaujaat@qjariq.com	Specify Date Required for E2, E or P:
		Email 2 kivalliqwatersamples@gov.nu.ca	

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	Analysis Request
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax financenaujaat@qjariq.com	
Contact:		Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:		Approver ID	Cost Center
Job #:		GL Account	Routing Code
PO / AFE:		Activity Code	
LSD:		Location	

ALS Lab Work Order # (lab use only)	ALS Contact:	Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NU Leachate Package	Number of Containers
	REP-2	2025-08-19	9:00	Waste	✓	16
	REP-2A	2025-08-20	9:30	Waste	✓	16

Environmental Division Winnipeg
Work Order Reference
WP2514520

Telephone : +1 204 255 9720

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☒ No	No field filter
Are samples for human drinking water use? ☐ Yes ☒ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐	SIF Observations	Yes ☐	No ☐	
Ice packs	Yes ☐	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
		6.6			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)		
Released by:	2025-08-19	Time: 15:30	Received by:	Date:	Time:

FINAL SHIPMENT RECEPTION (lab use only)		
Received by: RS	Date: Aug 27/25	Time: 10:50

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-03356-V09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

COC Number: 14 -

Affix ALS barcode label here (lab use only)

Page ____ of ____

Report To		Report Format / Distribution		Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Municipality of Naujaat	Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Bobby H, finance.naujaat@qiniq.com	Quality Control (QC) Report with Report	☐ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	PO Box 10 Naujaat, NU X0C 0H0	☐ Criteria on Report - provide details below if box checked		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:		Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 1 or Fax	finance.naujaat@qiniq.com	Specify Date Required for E2,E or P:
		Email 2	tivalligwatersamples.com	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution	
	Copy of Invoice with Report ☑ Yes ☐ No	Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Company:		Email 1 or Fax	finance.naujaat@qiniq.com
Contact:		Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:		Approver ID	Cost Center
Job #:		GL Account	Routing Code
PO / AFE:		Activity Code	
LSD:		Location	

ALS Lab Work Order # (lab use only): | ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NV Leachate Package	Number of Containers
	REP-5	2025-08-19	10:00	Waste	✓	16
	REP-6	2025-08-20	10:30	Waste	✓	16

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☒ No

Are samples for human drinking water use? ☐ Yes ☒ No

Special Instructions / Specify Criteria to add on report (client Use)

No field filter

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice packs Yes ☒ No ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
4.7°					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	2025-08-19	Time: 15:26	Received by:	Date:	Time:	Received by: MB	Date: Aug 27/25	Time: 1008AM

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

ALS-FM-0326e v08 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number: 15 -

Report To	Contact and company name below will appear on the final report
Company:	Hamlet of Naujaat
Contact:	Kevin Tegumiar
Phone:	867-462-9952
	Company address below will appear on the final report
Street:	PO Box 10
City/Province:	Naujaat, NU
Postal Code:	X0C 0H0
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☐ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax saonaujaat@qiniq.com
Email 2 mgavin@gov.nu.ca
Email 3 mlusty@gov.nu.ca

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax
Email 2

Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4] ☐ | 3 day [P3] ☐ | 2 day [P2] ☐
EMERGENCY: 1 Business day [E1] ☐ | Same Day, Weekend or Statutory holiday [E0] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm
For tests that can not be performed according to the service level selected, you will be contacted.

Project Information	
ALS Account # / Quote #:	W10624
Job #:	
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only)	ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD	Routine	CBOD	Total Metals	Total Mercury	Nutrients/Phenols (x2)	Bacteria	Oil & Grease (x2)	BTEX-F1 (x3)	F2-F4 (x2)	PAH (x2)			Number of Containers
	REP-2			Effluent	R	R	R	R	R	R	R	R	R	R	R			17
	REP-2a			Effluent	R	R	R	R	R	R	R	R	R	R	R			17
	REP-5			Effluent	R	R	R	R	R	R	R	R	R	R	R			17
	REP-6			Effluent	R	R	R	R	R	R	R	R						10

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO
Are samples for human drinking water use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

NUNAVUT-WW-GRP1-WP, BTEX, F1-F4, PAH

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.