CERTIFICATE OF ANALYSIS

Work Order	:	**FC2602857**		
Client	:	**Regional Municipality of Wood Buffalo**	Laboratory	: ALS Environmental - Fort McMurray
Contact	:	Water Treatment Plant	Account Manager	: Vishal Akolkar
Address	:	1 Silin Forest Road Fort Mcmurray Alberta Canada T9H 5A1	Address	: #4, 340 Macalpine Crescent Fort McMurray AB Canada T9H 4A8
Telephone	:	780-762-5863	E-mail	: Vishal.Akolkar@alsglobal.com
Project	:	Fort Chipewyan Table 1	Telephone	: +1 780 791 1524
PO	:	4500068005	Date Samples Received	: 04-Nov-2026 16:15
C-O-C number	:	----	Date Analysis Commenced	: 05-Nov-2026
Sampler	:	LC	Issue Date	: 18-Nov-2026 20:39
Site	:	----		
Quote number	:	Water Treatment Plant		
No. of samples received	:	1		
No. of samples analysed	:	1		

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
- Surrogate Control Limits

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*
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Organics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Anthony Hoang	Lab Assistant	Inorganics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Nick Zhang	Lab Assistant	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta

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.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	no units
%	percent
mg/L	milligrams per litre
pH units	pH units
psu	practical salinity units
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre

<: less than.
>: greater than.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	ED-9150030-FORT CHIPEWYAN-Entering Distribution ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 18:30	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Sample Preparation										
Dissolved carbon filtration location	----	EP358/EO	-	-		field	----	----	----	----
Physical Tests										
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/EO	1.2	mg/L		67.7	----	----	----	----
Alkalinity, carbonate (as CO3)	3812-32-6	E290/EO	1.0	mg/L		<0.6	----	----	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/EO	1.0	mg/L		<0.3	----	----	----	----
Alkalinity, total (as CaCO3)	----	E290/EO	1.0	mg/L		55.5	----	----	----	----
Conductivity	----	E100/EO	1.0	µS/cm		194	----	----	----	----
Hardness (as CaCO3), dissolved	----	EC100/EO	0.50	mg/L		49.0	----	----	----	----
pH	----	E108/EO	0.10	pH units		7.93	----	----	----	----
Salinity	----	EC100S/VA	1.0	psu		<1.0	----	----	----	----
Solids, total dissolved [TDS], calculated	----	EC103/EO	1.0	mg/L		110	----	----	----	----
Anions and Nutrients										
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L		22.0	----	----	----	----
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L		0.026	----	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3/EO	0.020	mg/L		<0.020	----	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/EO	0.0032	mg/L		<0.022	----	----	----	----
Nitrite (as N)	14797-65-0	E235.NO2/EO	0.010	mg/L		<0.010	----	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/EO	0.30	mg/L		7.31	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	ED-9150030-FORT CHIPEWYAN-Entering Distribution ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 18:30	----	----	----	----
						FC2602857-001	----	----	----	----
						Result	----	----	----	----
Organic / Inorganic Carbon										
Carbon, dissolved organic [DOC]	----	E358-L/EO	0.50	mg/L		3.37	----	----	----	----
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L		2.82	----	----	----	----
Total Sulfides										
Sulfide, total (as S)	18496-25-8	E395/CG	0.0015	mg/L		0.0018	----	----	----	----
Sulfide, total (as H2S)	7783-06-4	E395/CG	0.0016	mg/L		0.0019	----	----	----	----
Metals										
Sodium adsorption ratio [SAR]	----	EC102A/EO	0.10	-		1.32	----	----	----	----
Ion Balance										
Ion balance (cations/anions)	----	EC101/EO	0.010	%		103	----	----	----	----
Total Metals										
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L		0.0089	----	----	----	----
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L		0.00025	----	----	----	----
Barium, total	7440-39-3	E420/EO	0.00010	mg/L		0.0271	----	----	----	----
Beryllium, total	7440-41-7	E420/EO	0.020	µg/L		<0.020	----	----	----	----
Bismuth, total	7440-69-9	E420/EO	0.050	µg/L		<0.050	----	----	----	----
Boron, total	7440-42-8	E420/EO	0.010	mg/L		0.016	----	----	----	----
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L		<0.0050	----	----	----	----
Calcium, total	7440-70-2	E420/EO	0.050	mg/L		13.4	----	----	----	----
Cesium, total	7440-46-2	E420/EO	0.010	µg/L		<0.010	----	----	----	----

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					Client sampling date / time	03-Nov-2026 18:30	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Total Metals										
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L		<0.00050	----	----	----	----
Cobalt, total	7440-48-4	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Copper, total	7440-50-8	E420/EO	0.00050	mg/L		0.00087	----	----	----	----
Iron, total	7439-89-6	E420/EO	0.010	mg/L		<0.010	----	----	----	----
Lead, total	7439-92-1	E420/EO	0.050	µg/L		<0.050	----	----	----	----
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L		0.0031	----	----	----	----
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L		3.70	----	----	----	----
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L		0.00306	----	----	----	----
Molybdenum, total	7439-98-7	E420/EO	0.050	µg/L		0.252	----	----	----	----
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L		<0.00050	----	----	----	----
Phosphorus, total	7723-14-0	E420/EO	0.050	mg/L		<0.050	----	----	----	----
Potassium, total	7440-09-7	E420/EO	0.050	mg/L		1.13	----	----	----	----
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L		0.00104	----	----	----	----
Selenium, total	7782-49-2	E420/EO	0.050	µg/L		<0.050	----	----	----	----
Silicon, total	7440-21-3	E420/EO	0.10	mg/L		1.50	----	----	----	----
Silver, total	7440-22-4	E420/EO	0.010	µg/L		<0.010	----	----	----	----
Sodium, total	7440-23-5	E420/EO	0.050	mg/L		21.8	----	----	----	----
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L		0.0813	----	----	----	----
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L		2.47	----	----	----	----

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					Client sample ID	ED-9150030-FORT CHIPEWYAN-Entering Distribution ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 18:30	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Total Metals										
Tellurium, total	13494-80-9	E420/EO	0.00020	mg/L		<0.00020	----	----	----	----
Thallium, total	7440-28-0	E420/EO	0.010	µg/L		<0.010	----	----	----	----
Thorium, total	7440-29-1	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Tin, total	7440-31-5	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L		<0.00030	----	----	----	----
Tungsten, total	7440-33-7	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Uranium, total	7440-61-1	E420/EO	0.010	µg/L		<0.010	----	----	----	----
Vanadium, total	7440-62-2	E420/EO	0.00050	mg/L		<0.00050	----	----	----	----
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L		<0.0030	----	----	----	----
Zirconium, total	7440-67-7	E420/EO	0.00020	mg/L		<0.00020	----	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L		0.0078	----	----	----	----
Antimony, dissolved	7440-36-0	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/EO	0.00010	mg/L		0.00023	----	----	----	----
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L		0.0265	----	----	----	----
Beryllium, dissolved	7440-41-7	E421/EO	0.020	µg/L		<0.020	----	----	----	----
Bismuth, dissolved	7440-69-9	E421/EO	0.050	µg/L		<0.050	----	----	----	----
Boron, dissolved	7440-42-8	E421/EO	0.010	mg/L		0.016	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/EO	0.0050	µg/L		<0.0050	----	----	----	----

Analytical Results

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(Matrix: Water)

Analyte	CAS Number	Method/Lab	LOR	Unit	ED-9150030-FORT CHIPEWYAN-Entering Distribution ----	----	----	----	----
Client sampling date / time					03-Nov-2026 18:30	----	----	----	----
					FC2602857-001	----	----	----	----
					Result	----	----	----	----
Dissolved Metals									
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L	13.3	----	----	----	----
Cesium, dissolved	7440-46-2	E421/EO	0.010	µg/L	<0.010	----	----	----	----
Chromium, dissolved	7440-47-3	E421/EO	0.00050	mg/L	<0.00050	----	----	----	----
Cobalt, dissolved	7440-48-4	E421/EO	0.00010	mg/L	<0.00010	----	----	----	----
Copper, dissolved	7440-50-8	E421/EO	0.00020	mg/L	0.00083	----	----	----	----
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L	<0.010	----	----	----	----
Lead, dissolved	7439-92-1	E421/EO	0.050	µg/L	<0.050	----	----	----	----
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L	0.0032	----	----	----	----
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L	3.83	----	----	----	----
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L	0.00171	----	----	----	----
Molybdenum, dissolved	7439-98-7	E421/EO	0.050	µg/L	0.269	----	----	----	----
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L	<0.00050	----	----	----	----
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L	<0.050	----	----	----	----
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L	1.14	----	----	----	----
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L	0.00110	----	----	----	----
Selenium, dissolved	7782-49-2	E421/EO	0.050	µg/L	0.054	----	----	----	----
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L	1.50	----	----	----	----
Silver, dissolved	7440-22-4	E421/EO	0.010	µg/L	<0.010	----	----	----	----
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L	21.3	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	ED-9150030-FORT CHIPEWYAN-Entering Distribution ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 18:30	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Dissolved Metals										
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L		0.0754	----	----	----	----
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L		2.72	----	----	----	----
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L		<0.00020	----	----	----	----
Thallium, dissolved	7440-28-0	E421/EO	0.010	µg/L		<0.010	----	----	----	----
Thorium, dissolved	7440-29-1	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Tin, dissolved	7440-31-5	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Titanium, dissolved	7440-32-6	E421/EO	0.00030	mg/L		<0.00030	----	----	----	----
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Uranium, dissolved	7440-61-1	E421/EO	0.010	µg/L		<0.010	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/EO	0.00050	mg/L		<0.00050	----	----	----	----
Zinc, dissolved	7440-66-6	E421/EO	0.0010	mg/L		0.0020	----	----	----	----
Zirconium, dissolved	7440-67-7	E421/EO	0.00020	mg/L		<0.00020	----	----	----	----
Dissolved metals filtration location	----	EP421/EO	-	-		Field	----	----	----	----
Aggregate Organics										
Naphthenic acids	----	E565/EO	1.0	mg/L		<1.0	----	----	----	----
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Ethylbenzene	100-41-4	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Styrene	100-42-5	E611A/EO	0.50	µg/L		<0.50	----	----	----	----

Analytical Results

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Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Volatile Organic Compounds [Fuels]										
Toluene	108-88-3	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/EO	0.40	µg/L		<0.40	----	----	----	----
Xylene, o-	95-47-6	E611A/EO	0.30	µg/L		<0.30	----	----	----	----
Xylenes, total	1330-20-7	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
BTEX, total	----	E611A/EO	1.0	µg/L		<1.0	----	----	----	----
Hydrocarbons										
F1 (C6-C10)	----	E581.F1/EO	100	µg/L		<100	----	----	----	----
F1-BTEX	----	EC580/EO	25	µg/L		<26	----	----	----	----
F2 (C10-C16)	----	E601/EO	100	µg/L		<100	----	----	----	----
F3 (C16-C34)	----	E601/EO	250	µg/L		<250	----	----	----	----
F4 (C34-C50)	----	E601/EO	250	µg/L		<250	----	----	----	----
Hydrocarbons, total (C6-C50)	n/a	EC581/EO	370	µg/L		<380	----	----	----	----
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601/EO	1.0	%		104	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%		111	----	----	----	----
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%		106	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%		97.7	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/EO	0.010	µg/L		<0.010	----	----	----	----

Analytical Results

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Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Acenaphthylene	208-96-8	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Acridine	260-94-6	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Anthracene	120-12-7	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benz(a)anthracene	56-55-3	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A/EO	0.0050	µg/L		<0.0050	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A/EO	0.015	µg/L		<0.015	----	----	----	----
Benzo(e)pyrene	192-97-2	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Chrysene	218-01-9	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/EO	0.0050	µg/L		<0.0050	----	----	----	----
Fluoranthene	206-44-0	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Fluorene	86-73-7	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Indeno(1,2,3-cd)pyrene	193-39-5	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A/EO	0.015	µg/L		<0.015	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Naphthalene	91-20-3	E641A/EO	0.050	µg/L		<0.050	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	ED-9150030-FORT CHIPEWYAN-Entering Distribution ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 18:30	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602857-001	----	----	----	----
						Result	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Perylene	198-55-0	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Phenanthrene	85-01-8	E641A/EO	0.020	µg/L		<0.020	----	----	----	----
Pyrene	129-00-0	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Quinoline	91-22-5	E641A/EO	0.050	µg/L		<0.050	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/EO	0.1	%		109	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%		124	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%		103	----	----	----	----
DIsinfectant By-Products										
Chlorate	14866-68-3	E409.CLO3/WT	0.010	mg/L		0.061	----	----	----	----
Chlorite	14998-27-7	E409.CLO2/WT	0.010	mg/L		<0.010	----	----	----	----

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

CERTIFICATE OF ANALYSIS

Work Order	: **FC2602857**	Page	: 1 of 6
Client	: **Regional Municipality of Wood Buffalo**	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Vishal Akolkar
Address	: 1 Silin Forest Road Fort Mcmurray AB Canada T9H 5A1	Address	: #4, 340 Macalpine Crescent Fort McMurray AB Canada T9H 4A8
Telephone	: 780-762-5863	Telephone	: +1 780 791 1524
Project	: Fort Chipewyan Table 1	Date Samples Received	: 04-Nov-2026 16:15
PO	: 4500068005	Date Analysis Commenced	: 05-Nov-2026
C-O-C number	: ----	Issue Date	: 18-Nov-2026 20:38
Sampler	: LC		
Site	: ----		
Quote number	: Water Treatment Plant		
No. of samples received	: 1		
No. of samples analysed	: 1		

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
- Surrogate Control Limits

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*
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Alex Drake	Lab Analyst	Organics, Edmonton, Alberta
Anthony Hoang	Lab Assistant	Inorganics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Nick Zhang	Lab Assistant	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta

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.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Unit	*Description*
-	no units
%	percent
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
mg/L	milligrams per litre
pH units	pH units
psu	practical salinity units

>: greater than.
<: less than.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical Results

FC2602857-001

Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: ED-9150030-FORT CHIPEWYAN-Entering Distribution
Client sampling date / time: 03-Nov-2026 18:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Sample Preparation								
Dissolved carbon filtration location	----	field	-	-	EP358/EO	-	09-Nov-2026	2955547
Physical Tests								
Alkalinity, bicarbonate (as HCO3)	71-52-3	67.7	1.2	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Alkalinity, carbonate (as CO3)	3812-32-6	<0.6	0.6	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Alkalinity, total (as CaCO3)	----	55.5	1.0	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Conductivity	----	194	1.0	µS/cm	E100/EO	05-Nov-2026	05-Nov-2026	2948963
Hardness (as CaCO3), dissolved	----	49.0	0.50	mg/L	EC100/EO	-	06-Nov-2026	-
pH	----	7.93	0.10	pH units	E108/EO	05-Nov-2026	05-Nov-2026	2948962
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	12-Nov-2026	-
Solids, total dissolved [TDS], calculated	----	110	1.0	mg/L	EC103/EO	-	06-Nov-2026	-
Anions and Nutrients								
Chloride	16887-00-6	22.0	0.50	mg/L	E235.Cl/EO	05-Nov-2026	05-Nov-2026	2948281
Fluoride	16984-48-8	0.026	0.020	mg/L	E235.F/EO	05-Nov-2026	05-Nov-2026	2948278
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/EO	05-Nov-2026	05-Nov-2026	2948279
Nitrate + Nitrite (as N)	----	<0.022	0.022	mg/L	EC235.N+N/EO	-	06-Nov-2026	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	05-Nov-2026	05-Nov-2026	2948280
Sulfate (as SO4)	14808-79-8	7.31	0.30	mg/L	E235.SO4/EO	05-Nov-2026	05-Nov-2026	2948282
Organic / Inorganic Carbon								
Carbon, dissolved organic [DOC]	----	3.37	0.50	mg/L	E358-L/EO	09-Nov-2026	09-Nov-2026	2955547
Carbon, total organic [TOC]	----	2.82	0.50	mg/L	E355-L/EO	10-Nov-2026	10-Nov-2026	2957214
Total Sulfides								
Sulfide, total (as S)	18496-25-8	0.0018	0.0015	mg/L	E395/CG	-	10-Nov-2026	2956631
Sulfide, total (as H2S)	7783-06-4	0.0019	0.0016	mg/L	E395/CG	-	10-Nov-2026	2956631
Metals								
Sodium adsorption ratio [SAR]	----	1.32	0.10	-	EC102A/EO	-	06-Nov-2026	-
Ion Balance								
Ion balance (cations/anions)	----	103	0.010	%	EC101/EO	-	06-Nov-2026	-
Total Metals								
Aluminum, total	7429-90-5	0.0089	0.0030	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Arsenic, total	7440-38-2	0.00025	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Barium, total	7440-39-3	0.0271	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Beryllium, total	7440-41-7	<0.020	0.020	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Bismuth, total	7440-69-9	<0.050	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Boron, total	7440-42-8	0.016	0.010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Calcium, total	7440-70-2	13.4	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Cesium, total	7440-46-2	<0.010	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Copper, total	7440-50-8	0.00087	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Lead, total	7439-92-1	<0.050	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Lithium, total	7439-93-2	0.0031	0.0010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275

Analytical Results

FC2602857-001

Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: ED-9150030-FORT CHIPEWYAN-Entering Distribution
Client sampling date / time: 03-Nov-2026 18:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Magnesium, total	7439-95-4	3.70	0.0050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Manganese, total	7439-96-5	0.00306	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Molybdenum, total	7439-98-7	0.252	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Potassium, total	7440-09-7	1.13	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Rubidium, total	7440-17-7	0.00104	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Selenium, total	7782-49-2	<0.050	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Silicon, total	7440-21-3	1.50	0.10	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Silver, total	7440-22-4	<0.010	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Sodium, total	7440-23-5	21.8	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Strontium, total	7440-24-6	0.0813	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Sulfur, total	7704-34-9	2.47	0.50	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Thallium, total	7440-28-0	<0.010	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Uranium, total	7440-61-1	<0.010	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0078	0.0010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Arsenic, dissolved	7440-38-2	0.00023	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Barium, dissolved	7440-39-3	0.0265	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Beryllium, dissolved	7440-41-7	<0.020	0.020	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Bismuth, dissolved	7440-69-9	<0.050	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Boron, dissolved	7440-42-8	0.016	0.010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Calcium, dissolved	7440-70-2	13.3	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Cesium, dissolved	7440-46-2	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Copper, dissolved	7440-50-8	0.00083	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Lead, dissolved	7439-92-1	<0.050	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Lithium, dissolved	7439-93-2	0.0032	0.0010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Magnesium, dissolved	7439-95-4	3.83	0.0050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Manganese, dissolved	7439-96-5	0.00171	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Molybdenum, dissolved	7439-98-7	0.269	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946

Analytical Results

FC2602857-001

Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: ED-9150030-FORT CHIPEWYAN-Entering Distribution
Client sampling date / time: 03-Nov-2026 18:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Potassium, dissolved	7440-09-7	1.14	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Rubidium, dissolved	7440-17-7	0.00110	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Selenium, dissolved	7782-49-2	0.054	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Silicon, dissolved	7440-21-3	1.50	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Silver, dissolved	7440-22-4	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Sodium, dissolved	7440-23-5	21.3	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Strontium, dissolved	7440-24-6	0.0754	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Sulfur, dissolved	7704-34-9	2.72	0.50	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Thallium, dissolved	7440-28-0	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Uranium, dissolved	7440-61-1	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Zinc, dissolved	7440-66-6	0.0020	0.0010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Zirconium, dissolved	7440-67-7	<0.00020	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	05-Nov-2026	2947946
Aggregate Organics								
Naphthenic acids	----	<1.0	1.0	mg/L	E565/EO	06-Nov-2026	06-Nov-2026	2950116
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	06-Nov-2026	07-Nov-2026	2950970
F1-BTEX	----	<26	26	µg/L	EC580/EO	-	10-Nov-2026	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	05-Nov-2026	05-Nov-2026	2947419
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	05-Nov-2026	05-Nov-2026	2947419
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	05-Nov-2026	05-Nov-2026	2947419
Hydrocarbons, total (C6-C50)	n/a	<380	380	µg/L	EC581/EO	-	07-Nov-2026	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	104	1.0	%	E601/EO	05-Nov-2026	05-Nov-2026	2947419
Dichlorotoluene, 3,4-	95-75-0	111	1.0	%	E581.F1/EO	06-Nov-2026	07-Nov-2026	2950970
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	106	1.0	%	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Difluorobenzene, 1,4-	540-36-3	97.7	1.0	%	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417

Analytical Results

FC2602857-001

Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: ED-9150030-FORT CHIPEWYAN-Entering Distribution
Client sampling date / time: 03-Nov-2026 18:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benzo(e)pyrene	192-97-2	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Indeno(1,2,3-cd)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Perylene	198-55-0	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	109	0.1	%	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Naphthalene-d8	1146-65-2	124	0.1	%	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
Phenanthrene-d10	1517-22-2	103	0.1	%	E641A/EO	05-Nov-2026	05-Nov-2026	2947417
DIsinfectant By-Products								
Chlorate	14866-68-3	0.061	0.010	mg/L	E409.CLO3/WT	07-Nov-2026	07-Nov-2026	2952581
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	07-Nov-2026	07-Nov-2026	2952580

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

CERTIFICATE OF ANALYSIS

Work Order	:	**FC2602858**		
Client	:	**Regional Municipality of Wood Buffalo**	Laboratory	: ALS Environmental - Fort McMurray
Contact	:	Water Treatment Plant	Account Manager	: Vishal Akolkar
Address	:	1 Silin Forest Road Fort Mcmurray Alberta Canada T9H 5A1	Address	: #4, 340 Macalpine Crescent Fort McMurray AB Canada T9H 4A8
Telephone	:	780-762-5863	E-mail	: Vishal.Akolkar@alsglobal.com
Project	:	Fort Chipewyan Table 1	Telephone	: +1 780 791 1524
PO	:	4500068005	Date Samples Received	: 04-Nov-2026 16:15
C-O-C number	:	----	Date Analysis Commenced	: 05-Nov-2026
Sampler	:	LC	Issue Date	: 13-Nov-2026 16:56
Site	:	----		
Quote number	:	Water Treatment Plant		
No. of samples received	:	1		
No. of samples analysed	:	1		

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
- Surrogate Control Limits

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*
Alex Drake	Lab Analyst	Organics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Anthony Hoang	Lab Assistant	Inorganics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Nick Zhang	Lab Assistant	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta

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.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	no units
%	percent
mg/L	milligrams per litre
pH units	pH units
psu	practical salinity units
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre

<: less than.
>: greater than.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	Description
DTC	Dissolved concentration exceeds total. Results were confirmed by re-analysis.

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID: Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time: 03-Nov-2026 16:20	----	----	----	----
					FC2602858-001	----	----	----	----
					Result	----	----	----	----
Sample Preparation									
Dissolved carbon filtration location	----	EP358/EO	-	-	field	----	----	----	----
Physical Tests									
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/EO	1.2	mg/L	51.5	----	----	----	----
Alkalinity, carbonate (as CO3)	3812-32-6	E290/EO	1.0	mg/L	<0.6	----	----	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/EO	1.0	mg/L	<0.3	----	----	----	----
Alkalinity, total (as CaCO3)	----	E290/EO	1.0	mg/L	42.2	----	----	----	----
Conductivity	----	E100/EO	1.0	µS/cm	110	----	----	----	----
Hardness (as CaCO3), dissolved	----	EC100/EO	0.50	mg/L	47.0	----	----	----	----
pH	----	E108/EO	0.10	pH units	7.79	----	----	----	----
Salinity	----	EC100S/VA	1.0	psu	<1.0	----	----	----	----
Solids, total dissolved [TDS], calculated	----	EC103/EO	1.0	mg/L	69.3	----	----	----	----
Anions and Nutrients									
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L	3.50	----	----	----	----
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L	0.082	----	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3/EO	0.020	mg/L	<0.020	----	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/EO	0.0032	mg/L	<0.022	----	----	----	----
Nitrite (as N)	14797-65-0	E235.NO2/EO	0.010	mg/L	<0.010	----	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/EO	0.30	mg/L	7.35	----	----	----	----
Organic / Inorganic Carbon									
Carbon, dissolved organic [DOC]	----	E358-L/EO	0.50	mg/L	6.77	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Analyte	CAS Number	Method/Lab	LOR	Unit	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
Client sample ID					Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
Client sampling date / time					03-Nov-2026 16:20	----	----	----	----
					FC2602858-001	----	----	----	----
					Result	----	----	----	----
Organic / Inorganic Carbon									
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L	5.85	----	----	----	----
Total Sulfides									
Sulfide, total (as S)	18496-25-8	E395/CG	0.0015	mg/L	0.0020	----	----	----	----
Sulfide, total (as H2S)	7783-06-4	E395/CG	0.0016	mg/L	0.0021	----	----	----	----
Metals									
Sodium adsorption ratio [SAR]	----	EC102A/EO	0.10	-	0.26	----	----	----	----
Ion Balance									
Ion balance (cations/anions)	----	EC101/EO	0.010	%	105	----	----	----	----
Total Metals									
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L	0.196	----	----	----	----
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L	<0.00010	----	----	----	----
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L	0.00051	----	----	----	----
Barium, total	7440-39-3	E420/EO	0.00010	mg/L	0.0307	----	----	----	----
Beryllium, total	7440-41-7	E420/EO	0.020	µg/L	<0.020	----	----	----	----
Bismuth, total	7440-69-9	E420/EO	0.050	µg/L	<0.050	----	----	----	----
Boron, total	7440-42-8	E420/EO	0.010	mg/L	0.016	----	----	----	----
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L	<0.0050	----	----	----	----
Calcium, total	7440-70-2	E420/EO	0.050	mg/L	12.5	----	----	----	----
Cesium, total	7440-46-2	E420/EO	0.010	µg/L	0.051	----	----	----	----
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L	<0.00050	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 16:20	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602858-001	----	----	----	----
						Result	----	----	----	----
Total Metals										
Cobalt, total	7440-48-4	E420/EO	0.00010	mg/L		0.00011	----	----	----	----
Copper, total	7440-50-8	E420/EO	0.00050	mg/L		0.00180	----	----	----	----
Iron, total	7439-89-6	E420/EO	0.010	mg/L		0.417	----	----	----	----
Lead, total	7439-92-1	E420/EO	0.050	µg/L		0.213	----	----	----	----
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L		0.0034	----	----	----	----
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L		3.89	----	----	----	----
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L		0.00947	----	----	----	----
Molybdenum, total	7439-98-7	E420/EO	0.050	µg/L		0.310	----	----	----	----
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L		0.00094	----	----	----	----
Phosphorus, total	7723-14-0	E420/EO	0.050	mg/L		<0.050	----	----	----	----
Potassium, total	7440-09-7	E420/EO	0.050	mg/L		1.19	----	----	----	----
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L		0.00162	----	----	----	----
Selenium, total	7782-49-2	E420/EO	0.050	µg/L		0.071	----	----	----	----
Silicon, total	7440-21-3	E420/EO	0.10	mg/L		2.08	----	----	----	----
Silver, total	7440-22-4	E420/EO	0.010	µg/L		<0.010	----	----	----	----
Sodium, total	7440-23-5	E420/EO	0.050	mg/L		4.28	----	----	----	----
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L		0.0802	----	----	----	----
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L		2.61	----	----	----	----
Tellurium, total	13494-80-9	E420/EO	0.00020	mg/L		<0.00020	----	----	----	----
Thallium, total	7440-28-0	E420/EO	0.010	µg/L		<0.010	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 16:20	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602858-001	----	----	----	----
						Result	----	----	----	----
Total Metals										
Thorium, total	7440-29-1	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Tin, total	7440-31-5	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L		0.00484	----	----	----	----
Tungsten, total	7440-33-7	E420/EO	0.00010	mg/L		<0.00010	----	----	----	----
Uranium, total	7440-61-1	E420/EO	0.010	µg/L		0.100	----	----	----	----
Vanadium, total	7440-62-2	E420/EO	0.00050	mg/L		0.00088	----	----	----	----
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L		<0.0030 DTC	----	----	----	----
Zirconium, total	7440-67-7	E420/EO	0.00020	mg/L		<0.00020	----	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L		0.0114	----	----	----	----
Antimony, dissolved	7440-36-0	E421/EO	0.00010	mg/L		0.00015	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/EO	0.00010	mg/L		0.00032	----	----	----	----
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L		0.0275	----	----	----	----
Beryllium, dissolved	7440-41-7	E421/EO	0.020	µg/L		<0.020	----	----	----	----
Bismuth, dissolved	7440-69-9	E421/EO	0.050	µg/L		<0.050	----	----	----	----
Boron, dissolved	7440-42-8	E421/EO	0.010	mg/L		0.016	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/EO	0.0050	µg/L		<0.0050	----	----	----	----
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L		12.6	----	----	----	----
Cesium, dissolved	7440-46-2	E421/EO	0.010	µg/L		<0.010	----	----	----	----
Chromium, dissolved	7440-47-3	E421/EO	0.00050	mg/L		<0.00050	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 16:20	----	----	----	----
						FC2602858-001	----	----	----	----
						Result	----	----	----	----
Dissolved Metals										
Cobalt, dissolved	7440-48-4	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Copper, dissolved	7440-50-8	E421/EO	0.00020	mg/L		0.00137	----	----	----	----
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L		0.037	----	----	----	----
Lead, dissolved	7439-92-1	E421/EO	0.050	µg/L		<0.050	----	----	----	----
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L		0.0032	----	----	----	----
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L		3.78	----	----	----	----
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L		0.00316	----	----	----	----
Molybdenum, dissolved	7439-98-7	E421/EO	0.050	µg/L		0.313	----	----	----	----
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L		0.00066	----	----	----	----
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L		<0.050	----	----	----	----
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L		1.16	----	----	----	----
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L		0.00105	----	----	----	----
Selenium, dissolved	7782-49-2	E421/EO	0.050	µg/L		0.072	----	----	----	----
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L		1.68	----	----	----	----
Silver, dissolved	7440-22-4	E421/EO	0.010	µg/L		<0.010	----	----	----	----
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L		4.11	----	----	----	----
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L		0.0755	----	----	----	----
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L		2.71	----	----	----	----
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L		<0.00020	----	----	----	----
Thallium, dissolved	7440-28-0	E421/EO	0.010	µg/L		<0.010	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 16:20	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602858-001	----	----	----	----
						Result	----	----	----	----
Dissolved Metals										
Thorium, dissolved	7440-29-1	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Tin, dissolved	7440-31-5	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Titanium, dissolved	7440-32-6	E421/EO	0.00030	mg/L		0.00060	----	----	----	----
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L		<0.00010	----	----	----	----
Uranium, dissolved	7440-61-1	E421/EO	0.010	µg/L		0.073	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/EO	0.00050	mg/L		<0.00050	----	----	----	----
Zinc, dissolved	7440-66-6	E421/EO	0.0010	mg/L		0.0144 DTC	----	----	----	----
Zirconium, dissolved	7440-67-7	E421/EO	0.00020	mg/L		<0.00020	----	----	----	----
Dissolved metals filtration location	----	EP421/EO	-	-		Field	----	----	----	----
Aggregate Organics										
Naphthenic acids	----	E565/EO	1.0	mg/L		<1.0	----	----	----	----
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Ethylbenzene	100-41-4	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Styrene	100-42-5	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Toluene	108-88-3	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/EO	0.40	µg/L		<0.40	----	----	----	----
Xylene, o-	95-47-6	E611A/EO	0.30	µg/L		<0.30	----	----	----	----
Xylenes, total	1330-20-7	E611A/EO	0.50	µg/L		<0.50	----	----	----	----
BTEX, total	----	E611A/EO	1.0	µg/L		<1.0	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 16:20	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602858-001	----	----	----	----
						Result	----	----	----	----
Hydrocarbons										
F1 (C6-C10)	----	E581.F1/EO	100	µg/L		<100	----	----	----	----
F1-BTEX	----	EC580/EO	25	µg/L		<26	----	----	----	----
F2 (C10-C16)	----	E601/EO	100	µg/L		<100	----	----	----	----
F3 (C16-C34)	----	E601/EO	250	µg/L		<250	----	----	----	----
F4 (C34-C50)	----	E601/EO	250	µg/L		<250	----	----	----	----
Hydrocarbons, total (C6-C50)	n/a	EC581/EO	370	µg/L		<380	----	----	----	----
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601/EO	1.0	%		97.3	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%		110	----	----	----	----
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%		108	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%		99.5	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Acenaphthylene	208-96-8	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Acridine	260-94-6	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Anthracene	120-12-7	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benz(a)anthracene	56-55-3	E641A/EO	0.010	µg/L		<0.010	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A/EO	0.0050	µg/L		<0.0050	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/EO	0.010	µg/L		<0.010	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Analyte	CAS Number	Method/Lab	LOR	Unit	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
Client sampling date / time					03-Nov-2026 16:20	----	----	----	----
					FC2602858-001	----	----	----	----
					Result	----	----	----	----
Polycyclic Aromatic Hydrocarbons									
Benzo(b+j+k)fluoranthene	n/a	E641A/EO	0.015	µg/L	<0.015	----	----	----	----
Benzo(e)pyrene	192-97-2	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Chrysene	218-01-9	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/EO	0.0050	µg/L	<0.0050	----	----	----	----
Fluoranthene	206-44-0	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Fluorene	86-73-7	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Indeno(1,2,3-cd)pyrene	193-39-5	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A/EO	0.015	µg/L	<0.015	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Naphthalene	91-20-3	E641A/EO	0.050	µg/L	<0.050	----	----	----	----
Perylene	198-55-0	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Phenanthrene	85-01-8	E641A/EO	0.020	µg/L	<0.020	----	----	----	----
Pyrene	129-00-0	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Quinoline	91-22-5	E641A/EO	0.050	µg/L	<0.050	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A/EO	0.010	µg/L	<0.010	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates									
Chrysene-d12	1719-03-5	E641A/EO	0.1	%	115	----	----	----	----

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap Fort Chipewyan ----	----	----	----	----
					Client sampling date / time	03-Nov-2026 16:20	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2602858-001	----	----	----	----
						Result	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%		113	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%		108	----	----	----	----
DIsinfectant By-Products										
Chlorate	14866-68-3	E409.CLO3/WT	0.010	mg/L		<0.010	----	----	----	----
Chlorite	14998-27-7	E409.CLO2/WT	0.010	mg/L		<0.010	----	----	----	----

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

CERTIFICATE OF ANALYSIS

Work Order	: **FC2602858**	Page	: 1 of 6
Client	: **Regional Municipality of Wood Buffalo**	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Vishal Akolkar
Address	: 1 Silin Forest Road Fort Mcmurray AB Canada T9H 5A1	Address	: #4, 340 Macalpine Crescent Fort McMurray AB Canada T9H 4A8
Telephone	: 780-762-5863	Telephone	: +1 780 791 1524
Project	: Fort Chipewyan Table 1	Date Samples Received	: 04-Nov-2026 16:15
PO	: 4500068005	Date Analysis Commenced	: 05-Nov-2026
C-O-C number	: ----	Issue Date	: 13-Nov-2026 16:55
Sampler	: LC		
Site	: ----		
Quote number	: Water Treatment Plant		
No. of samples received	: 1		
No. of samples analysed	: 1		

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
- Surrogate Control Limits

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*
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Alex Drake	Lab Analyst	Organics, Edmonton, Alberta
Anthony Hoang	Lab Assistant	Inorganics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Nick Zhang	Lab Assistant	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta

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.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Unit	*Description*
-	no units
%	percent
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
mg/L	milligrams per litre
pH units	pH units
psu	practical salinity units

>: greater than.
<: less than.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DTC	*Dissolved concentration exceeds total. Results were confirmed by re-analysis.*

Analytical Results

FC2602858-001

Sub-Matrix: **Water**
(Matrix: **Water**)

Client sample ID: Raw Water Chamber Tap Fort Chipewyan
Client sampling date / time: 03-Nov-2026 16:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Sample Preparation								
Dissolved carbon filtration location	----	field	-	-	EP358/EO	-	09-Nov-2026	2955547
Physical Tests								
Alkalinity, bicarbonate (as HCO3)	71-52-3	51.5	1.2	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Alkalinity, carbonate (as CO3)	3812-32-6	<0.6	0.6	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Alkalinity, total (as CaCO3)	----	42.2	1.0	mg/L	E290/EO	05-Nov-2026	05-Nov-2026	2948964
Conductivity	----	110	1.0	µS/cm	E100/EO	05-Nov-2026	05-Nov-2026	2948963
Hardness (as CaCO3), dissolved	----	47.0	0.50	mg/L	EC100/EO	-	06-Nov-2026	-
pH	----	7.79	0.10	pH units	E108/EO	05-Nov-2026	05-Nov-2026	2948962
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	12-Nov-2026	-
Solids, total dissolved [TDS], calculated	----	69.3	1.0	mg/L	EC103/EO	-	06-Nov-2026	-
Anions and Nutrients								
Chloride	16887-00-6	3.50	0.50	mg/L	E235.Cl/EO	05-Nov-2026	05-Nov-2026	2948281
Fluoride	16984-48-8	0.082	0.020	mg/L	E235.F/EO	05-Nov-2026	05-Nov-2026	2948278
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/EO	05-Nov-2026	05-Nov-2026	2948279
Nitrate + Nitrite (as N)	----	<0.022	0.022	mg/L	EC235.N+N/EO	-	06-Nov-2026	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	05-Nov-2026	05-Nov-2026	2948280
Sulfate (as SO4)	14808-79-8	7.35	0.30	mg/L	E235.SO4/EO	05-Nov-2026	05-Nov-2026	2948282
Organic / Inorganic Carbon								
Carbon, dissolved organic [DOC]	----	6.77	0.50	mg/L	E358-L/EO	09-Nov-2026	09-Nov-2026	2955547
Carbon, total organic [TOC]	----	5.85	0.50	mg/L	E355-L/EO	10-Nov-2026	10-Nov-2026	2957214
Total Sulfides								
Sulfide, total (as S)	18496-25-8	0.0020	0.0015	mg/L	E395/CG	-	10-Nov-2026	2956631
Sulfide, total (as H2S)	7783-06-4	0.0021	0.0016	mg/L	E395/CG	-	10-Nov-2026	2956631
Metals								
Sodium adsorption ratio [SAR]	----	0.26	0.10	-	EC102A/EO	-	06-Nov-2026	-
Ion Balance								
Ion balance (cations/anions)	----	105	0.010	%	EC101/EO	-	06-Nov-2026	-
Total Metals								
Aluminum, total	7429-90-5	0.196	0.0030	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Arsenic, total	7440-38-2	0.00051	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Barium, total	7440-39-3	0.0307	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Beryllium, total	7440-41-7	<0.020	0.020	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Bismuth, total	7440-69-9	<0.050	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Boron, total	7440-42-8	0.016	0.010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Calcium, total	7440-70-2	12.5	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Cesium, total	7440-46-2	0.051	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Cobalt, total	7440-48-4	0.00011	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Copper, total	7440-50-8	0.00180	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Iron, total	7439-89-6	0.417	0.010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Lead, total	7439-92-1	0.213	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Lithium, total	7439-93-2	0.0034	0.0010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275

Analytical Results

FC2602858-001

Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: Raw Water Chamber Tap Fort Chipewyan
Client sampling date / time: 03-Nov-2026 16:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Magnesium, total	7439-95-4	3.89	0.0050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Manganese, total	7439-96-5	0.00947	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Molybdenum, total	7439-98-7	0.310	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Nickel, total	7440-02-0	0.00094	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Potassium, total	7440-09-7	1.19	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Rubidium, total	7440-17-7	0.00162	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Selenium, total	7782-49-2	0.071	0.050	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Silicon, total	7440-21-3	2.08	0.10	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Silver, total	7440-22-4	<0.010	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Sodium, total	7440-23-5	4.28	0.050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Strontium, total	7440-24-6	0.0802	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Sulfur, total	7704-34-9	2.61	0.50	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Thallium, total	7440-28-0	<0.010	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Titanium, total	7440-32-6	0.00484	0.00030	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Uranium, total	7440-61-1	0.100	0.010	µg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Vanadium, total	7440-62-2	0.00088	0.00050	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Zinc, total	7440-66-6	<0.0030 DTC	0.0030	mg/L	E420/EO	06-Nov-2026	09-Nov-2026	2950275
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	06-Nov-2026	06-Nov-2026	2950275
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0114	0.0010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Antimony, dissolved	7440-36-0	0.00015	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Arsenic, dissolved	7440-38-2	0.00032	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Barium, dissolved	7440-39-3	0.0275	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Beryllium, dissolved	7440-41-7	<0.020	0.020	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Bismuth, dissolved	7440-69-9	<0.050	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Boron, dissolved	7440-42-8	0.016	0.010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Calcium, dissolved	7440-70-2	12.6	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Cesium, dissolved	7440-46-2	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Copper, dissolved	7440-50-8	0.00137	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Iron, dissolved	7439-89-6	0.037	0.010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Lead, dissolved	7439-92-1	<0.050	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Lithium, dissolved	7439-93-2	0.0032	0.0010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Magnesium, dissolved	7439-95-4	3.78	0.0050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Manganese, dissolved	7439-96-5	0.00316	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Molybdenum, dissolved	7439-98-7	0.313	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Nickel, dissolved	7440-02-0	0.00066	0.00050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946

Analytical Results

FC2602858-001
Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: Raw Water Chamber Tap Fort Chipewyan
Client sampling date / time: 03-Nov-2026 16:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Potassium, dissolved	7440-09-7	1.16	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Rubidium, dissolved	7440-17-7	0.00105	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Selenium, dissolved	7782-49-2	0.072	0.050	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Silicon, dissolved	7440-21-3	1.68	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Silver, dissolved	7440-22-4	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Sodium, dissolved	7440-23-5	4.11	0.050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Strontium, dissolved	7440-24-6	0.0755	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Sulfur, dissolved	7704-34-9	2.71	0.50	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Thallium, dissolved	7440-28-0	<0.010	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Titanium, dissolved	7440-32-6	0.00060	0.00030	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Uranium, dissolved	7440-61-1	0.073	0.010	µg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Zinc, dissolved	7440-66-6	0.0144 DTC	0.0010	mg/L	E421/EO	05-Nov-2026	09-Nov-2026	2947946
Zirconium, dissolved	7440-67-7	<0.00020	0.00020	mg/L	E421/EO	05-Nov-2026	05-Nov-2026	2947946
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	05-Nov-2026	2947946
Aggregate Organics								
Naphthenic acids	----	<1.0	1.0	mg/L	E565/EO	06-Nov-2026	06-Nov-2026	2950116
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	06-Nov-2026	07-Nov-2026	2950970
F1-BTEX	----	<26	26	µg/L	EC580/EO	-	10-Nov-2026	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	06-Nov-2026	06-Nov-2026	2950784
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	06-Nov-2026	06-Nov-2026	2950784
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	06-Nov-2026	06-Nov-2026	2950784
Hydrocarbons, total (C6-C50)	n/a	<380	380	µg/L	EC581/EO	-	10-Nov-2026	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	97.3	1.0	%	E601/EO	06-Nov-2026	06-Nov-2026	2950784
Dichlorotoluene, 3,4-	95-75-0	110	1.0	%	E581.F1/EO	06-Nov-2026	07-Nov-2026	2950970
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	108	1.0	%	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Difluorobenzene, 1,4-	540-36-3	99.5	1.0	%	E611A/EO	06-Nov-2026	07-Nov-2026	2950971
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785

Analytical Results

FC2602858-001

Sub-Matrix:**Water**
(Matrix: **Water**)

Client sample ID: Raw Water Chamber Tap Fort Chipewyan
Client sampling date / time: 03-Nov-2026 16:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benzo(e)pyrene	192-97-2	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Indeno(1,2,3-cd)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Perylene	198-55-0	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	115	0.1	%	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Naphthalene-d8	1146-65-2	113	0.1	%	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
Phenanthrene-d10	1517-22-2	108	0.1	%	E641A/EO	06-Nov-2026	06-Nov-2026	2950785
DIsinfectant By-Products								
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	07-Nov-2026	07-Nov-2026	2952581
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	07-Nov-2026	07-Nov-2026	2952580

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