



CERTIFICATE OF ANALYSIS

Work Order	: FC2600716		
Client	: Regional Municipality of Wood Buffalo	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Megha Walia
Address	: 1 Silin Forest Road	Address	: #4, 340 Macalpine Crescent
	: Fort McMurray Alberta Canada T9H 5A1		: Fort McMurray AB Canada T9H 4A8
Telephone	: 780-762-5863	E-mail	: Megha.Walia@alsglobal.com
Project	: Fort Chipewyan Imperial Release	Telephone	: +1 780 791 1524
PO	: 4500068005	Date Samples Received	: 14-Apr-2026 16:00
C-O-C number	: ----	Date Analysis Commenced	: 15-Apr-2026
Sampler	: JH	Issue Date	: 29-Apr-2026 17:15
Site	: ----		
Quote number	: FC24-RMWB100-0005 FC SC4		
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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Beelee Lacson	Lab Assistant	Inorganics, Edmonton, Alberta
Catherine DeMone	Laboratory Analyst	LCMS, Waterloo, Ontario
Christian Murera	Lab Analyst	Organics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jon Fisher	Laboratory Manager - Environmental	LCMS, Waterloo, Ontario
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Parth Goswami	Team Leader - LCMS	LCMS, Waterloo, Ontario
Sanja Risticovic	Department Manager - LCMS	LCMS, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	VOC, Waterloo, Ontario
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, 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).

<i>Unit</i>	<i>Description</i>
-	no units
%	percent
CU	colour units (1 cu = 1 mg/l pt)
mg/L	milligrams per litre
pH units	pH 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

<i>Qualifier</i>	<i>Description</i>
DLAI	Detection limit raised due to low level analytical interference or background.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	---	---	---	---
					Client sampling date / time	14-Apr-2026 10:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	---	---	---	---	
						Result	---	---	---	---
Physical Tests										
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/EO	1.2	mg/L	37.8	---	---	---	---	
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	31.0	---	---	---	---	
Colour, true	---	E329-L/EO	2.0	CU	7.8	---	---	---	---	
Conductivity	---	E100/EO	1.0	µS/cm	84.1	---	---	---	---	
Hardness (as CaCO3), dissolved	---	EC100/EO	0.50	mg/L	31.2	---	---	---	---	
Hardness (as CaCO3), from total Ca/Mg	---	EC100A/EO	0.50	mg/L	30.0	---	---	---	---	
pH	---	E108/EO	0.10	pH units	7.27	---	---	---	---	
Solids, total dissolved [TDS]	---	E162/EO	10	mg/L	52	---	---	---	---	
Solids, total dissolved [TDS], calculated	---	EC103/EO	1.0	mg/L	49.1	---	---	---	---	
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/EO	0.0050	mg/L	<0.0050	---	---	---	---	
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L	3.44	---	---	---	---	
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L	0.043	---	---	---	---	
Nitrate (as N)	14797-55-8	E235.NO3/EO	0.020	mg/L	0.112	---	---	---	---	
Nitrate + Nitrite (as N)	---	EC235.N+N/EO	0.0032	mg/L	0.112	---	---	---	---	
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	4.51	---	---	---	---	
Cyanides										
Cyanide, strong acid dissociable (Total)	---	E333/WT	0.0020	mg/L	<0.0200 ^{DLM}	---	---	---	---	



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Raw Water Chamber Tap	----	----	----	----
					Client sample ID	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----
					Result	----	----	----	----
Organic / Inorganic Carbon									
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L	4.89	----	----	----	----
Inorganics									
Chlorine, total	7782-50-5	E326-H/EO	0.10	mg/L	<0.10	----	----	----	----
Chlorine, free	7782-50-5	E327-H/EO	0.10	mg/L	<0.10	----	----	----	----
Chloramines, total (as Cl2)	----	EC326/EO	0.20	mg/L	<0.20	----	----	----	----
Total Sulfides									
Sulfide, total (as S)	18496-25-8	E395/CG	0.0015	mg/L	0.0068	----	----	----	----
Sulfide, total (as H2S)	7783-06-4	E395/CG	0.0016	mg/L	0.0072	----	----	----	----
Ion Balance									
Ion balance (cations/anions)	----	EC101/EO	0.010	%	97.6	----	----	----	----
Total Metals									
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L	0.0519	----	----	----	----
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L	<0.00010	----	----	----	----
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L	0.00023	----	----	----	----
Barium, total	7440-39-3	E420/EO	0.00010	mg/L	0.0158	----	----	----	----
Boron, total	7440-42-8	E420/EO	0.010	mg/L	0.014	----	----	----	----
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L	<0.0050	----	----	----	----
Calcium, total	7440-70-2	E420/EO	0.050	mg/L	7.86	----	----	----	----
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L	<0.00050	----	----	----	----
Copper, total	7440-50-8	E420/EO	0.00050	mg/L	0.00458	----	----	----	----
Iron, total	7439-89-6	E420/EO	0.010	mg/L	0.105	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
Total Metals										
Lead, total	7439-92-1	E420/EO	0.050	µg/L	<0.050	----	----	----	----	----
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L	2.53	----	----	----	----	----
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L	0.00563	----	----	----	----	----
Mercury, total	7439-97-6	E508/EO	0.0050	µg/L	<0.0050	----	----	----	----	----
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L	<0.00050	----	----	----	----	----
Selenium, total	7782-49-2	E420/EO	0.050	µg/L	<0.050	----	----	----	----	----
Silver, total	7440-22-4	E420/EO	0.010	µg/L	<0.010	----	----	----	----	----
Sodium, total	7440-23-5	E420/EO	0.050	mg/L	2.92	----	----	----	----	----
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L	0.0560	----	----	----	----	----
Uranium, total	7440-61-1	E420/EO	0.010	µg/L	0.067	----	----	----	----	----
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L	<0.0030	----	----	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L	0.0551	----	----	----	----	----
Antimony, dissolved	7440-36-0	E421/EO	0.00010	mg/L	<0.00010	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/EO	0.00010	mg/L	0.00022	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L	0.0160	----	----	----	----	----
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	0.014	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/EO	0.0050	µg/L	<0.0050	----	----	----	----	----
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L	8.20	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	---	---	---	---
					Client sampling date / time	14-Apr-2026 10:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	---	---	---	---	
						Result	---	---	---	---
Dissolved Metals										
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	0.00232	---	---	---	---	
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L	0.093	---	---	---	---	
Lead, dissolved	7439-92-1	E421/EO	0.050	µg/L	<0.050	---	---	---	---	
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L	0.0031	---	---	---	---	
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L	2.60	---	---	---	---	
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L	0.00547	---	---	---	---	
Molybdenum, dissolved	7439-98-7	E421/EO	0.050	µg/L	0.201	---	---	---	---	
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L	0.00064	---	---	---	---	
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L	<0.050	---	---	---	---	
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L	0.987	---	---	---	---	
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L	0.00110	---	---	---	---	
Selenium, dissolved	7782-49-2	E421/EO	0.050	µg/L	<0.050	---	---	---	---	
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L	2.57	---	---	---	---	
Silver, dissolved	7440-22-4	E421/EO	0.010	µg/L	<0.010	---	---	---	---	
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L	3.15	---	---	---	---	
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L	0.0573	---	---	---	---	
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L	1.23	---	---	---	---	
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L	<0.00020	---	---	---	---	



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
Dissolved Metals										
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	0.00139	----	----	----	----	----
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L	<0.00010	----	----	----	----	----
Uranium, dissolved	7440-61-1	E421/EO	0.010	µg/L	0.068	----	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/EO	0.00050	mg/L	<0.00050	----	----	----	----	----
Zinc, dissolved	7440-66-6	E421/EO	0.0010	mg/L	<0.0010	----	----	----	----	----
Zirconium, dissolved	7440-67-7	E421/EO	0.00020	mg/L	<0.00020	----	----	----	----	----
Dissolved metals filtration location	----	EP421/EO	-	-	Field	----	----	----	----	----
Aggregate Organics										
Nitritotriacetic acid [NTA]	139-13-9	E394/WT	0.40	mg/L	<0.40	----	----	----	----	----
Volatile Organic Compounds										
Benzene	71-43-2	E611E/EO	0.50	µg/L	<0.50	----	----	----	----	----
Carbon tetrachloride	56-23-5	E611E/EO	0.50	µg/L	<0.50	----	----	----	----	----
Chlorobenzene	108-90-7	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E611E/EO	0.50	µg/L	<0.50	----	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Dichloroethane, 1,2-	107-06-2	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Dichloromethane	75-09-2	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Dioxane, 1,4-	123-91-1	E611I/WT	20	µg/L	<20	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
Volatile Organic Compounds										
Ethylbenzene	100-41-4	E611E/EO	0.50	µg/L	<0.50	----	----	----	----	----
Tetrachloroethylene	127-18-4	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Toluene	108-88-3	E611E/EO	0.50	µg/L	<0.50	----	----	----	----	----
Trichloroethylene	79-01-6	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Vinyl chloride	75-01-4	E611E/EO	1.0	µg/L	<1.0	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611E/EO	0.40	µg/L	<0.40	----	----	----	----	----
Xylene, o-	95-47-6	E611E/EO	0.30	µg/L	<0.30	----	----	----	----	----
Xylenes, total	1330-20-7	E611E/EO	0.50	µg/L	<0.50	----	----	----	----	----
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611I/WT	1.0	%	92.7	----	----	----	----	----
Bromofluorobenzene, 4-	460-00-4	E611E/EO	1.0	%	92.1	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611I/WT	1.0	%	98.9	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611E/EO	1.0	%	91.8	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Benzo(a)pyrene	50-32-8	E641A/EO	0.0050	µg/L	<0.0050	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/EO	0.1	%	107	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%	104	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%	99.3	----	----	----	----	----
Disinfectant By-Products										
Bromate	15541-45-4	E722A/WT	0.30	µg/L	<0.30	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
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	----	----	----	----	----
Semi-Volatile Organics										
Nitrosodimethylamine, N- [NDMA]	62-75-9	E725-T/WT	0.00090	µg/L	<0.00090	----	----	----	----	----
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E625A/WT	1.0	%	72.3	----	----	----	----	----
Nitrobenzene-d5	4165-60-0	E625A/WT	1.0	%	75.7	----	----	----	----	----
Terphenyl-d14, p-	1718-51-0	E625A/WT	1.0	%	87.7	----	----	----	----	----
Chlorinated Phenolics										
Dichlorophenol, 2,4-	120-83-2	E625A/WT	0.20	µg/L	<0.20	----	----	----	----	----
Pentachlorophenol [PCP]	87-86-5	E625A/WT	0.50	µg/L	<0.50	----	----	----	----	----
Tetrachlorophenol, 2,3,4,6-	58-90-2	E625A/WT	0.50	µg/L	<0.50	----	----	----	----	----
Trichlorophenol, 2,4,6-	88-06-2	E625A/WT	0.20	µg/L	<0.20	----	----	----	----	----
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E625A/WT	0.50	%	67.4	----	----	----	----	----
Organochlorine Pesticides Surrogates										
Decachlorobiphenyl	2051-24-3	E660F/WT	0.10	%	121	----	----	----	----	----
Tetrachloro-m-xylene	877-09-8	E660F/WT	0.10	%	120	----	----	----	----	----
Herbicides										
Alachlor	15972-60-8	E755/WT	0.050	µg/L	<0.050	----	----	----	----	----
Atrazine	1912-24-9	E755/WT	0.050	µg/L	<0.050	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
Herbicides										
Atrazine + metabolites, total	----	E755/WT	0.45	µg/L	<0.45	----	----	----	----	----
Atrazine + N-dealkylated metabolites	----	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Atrazine-desethyl	6190-65-4	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----
Cyanazine	21725-46-2	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Diclofop-methyl	51338-27-3	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Dinoseb	88-85-7	E706A/WT	0.050	µg/L	<0.050	----	----	----	----	----
Diuron	330-54-1	E755/WT	0.050	µg/L	<0.050	----	----	----	----	----
Metolachlor	51218-45-2	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----
Metribuzin	21087-64-9	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Prometryn	7287-19-6	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----
Simazine	122-34-9	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Triallate	2303-17-5	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Trifluralin	1582-09-8	E756/WT	0.10	µg/L	<0.10	----	----	----	----	----
Herbicides Surrogates										
Dichlorophenylacetic acid, 2,4-	19719-28-9	E706A/WT	1.0	%	111	----	----	----	----	----
Insecticides										
Aldicarb	116-06-3	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Azinphos-methyl	86-50-0	E755/WT	0.10	µg/L	<0.10	----	----	----	----	----
Bendiocarb	22781-23-3	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----
Carbaryl	63-25-2	E755/WT	0.050	µg/L	<0.050	----	----	----	----	----
Carbofuran	1563-66-2	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
Insecticides										
Chlorpyrifos	2921-88-2	E756/WT	0.10	µg/L	<0.10	----	----	----	----	----
Diazinon	333-41-5	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----
Dimethoate	60-51-5	E755/WT	0.050	µg/L	<0.050	----	----	----	----	----
Malathion	121-75-5	E755/WT	0.025	µg/L	<0.025	----	----	----	----	----
Parathion	56-38-2	E756/WT	0.10	µg/L	<0.10	----	----	----	----	----
Phorate	298-02-2	E755/WT	0.25	µg/L	<0.25	----	----	----	----	----
Temephos	3383-96-8	E755/WT	0.25	µg/L	<0.25	----	----	----	----	----
Terbufos	13071-79-9	E755/WT	0.50	µg/L	<0.50	----	----	----	----	----
Pesticides										
Acetic acid, 2-methyl-4-chlorophenoxy-[MCPA]	94-74-6	E706A/WT	0.050	µg/L	<0.050	----	----	----	----	----
Aldrin	309-00-2	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Aldrin + Dieldrin	----	E660F/WT	0.011	µg/L	<0.011	----	----	----	----	----
Bromoxynil	1689-84-5	E706A/WT	0.050	µg/L	<0.050	----	----	----	----	----
Chlordane, cis- (alpha)	5103-71-9	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Chlordane, total	57-74-9	E660F/WT	0.011	µg/L	<0.011	----	----	----	----	----
Chlordane, trans- (gamma)	5103-74-2	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
DDD, 2,4'-	53-19-0	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----	----
DDD, 4,4'-	72-54-8	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----	----
DDD, total	----	E660F/WT	0.0060	µg/L	<0.0060	----	----	----	----	----
DDE, 2,4'-	3424-82-6	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	----
						Result	----	----	----	----
Pesticides										
DDE, 4,4'-	72-55-9	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----	----
DDE, total	----	E660F/WT	0.0060	µg/L	<0.0060	----	----	----	----	----
DDT + metabolites, total	----	E660F/WT	0.010	µg/L	<0.010	----	----	----	----	----
DDT, 2,4'-	789-02-6	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----	----
DDT, 4,4'-	50-29-3	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----	----
DDT, total	----	E660F/WT	0.0060	µg/L	<0.0060	----	----	----	----	----
Dicamba	1918-00-9	E706A/WT	0.10	µg/L	<1.00 ^{DLM}	----	----	----	----	----
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	E706A/WT	0.050	µg/L	<0.050	----	----	----	----	----
Dieldrin	60-57-1	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Diquat (ion)	2764-72-9	E723A/WT	1.0	µg/L	<1.0	----	----	----	----	----
Glyphosate	1071-83-6	E716A/WT	1.0	µg/L	<1.0	----	----	----	----	----
Heptachlor	76-44-8	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Heptachlor + Heptachlor epoxide	n/a	E660F/WT	0.011	µg/L	<0.011	----	----	----	----	----
Heptachlor epoxide	1024-57-3	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Hexachlorocyclohexane, gamma- [Lindane]	58-89-9	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Methoxychlor	72-43-5	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Oxychlorane	27304-13-8	E660F/WT	0.0080	µg/L	<0.0080	----	----	----	----	----
Paraquat (as dichloride)	1910-42-5	E723A/WT	1.0	µg/L	<1.0	----	----	----	----	----
Picloram	1918-02-1	E706A/WT	0.10	µg/L	<0.50 ^{DLM}	----	----	----	----	----
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	E706A/WT	0.050	µg/L	<0.050	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap	----	----	----	----
					Client sampling date / time	14-Apr-2026 10:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2600716-001	----	----	----	----	
						Result	----	----	----	----
Nitrosamines Surrogates										
Nitrosodimethylamine-d6, N-	17829-05-9	E725-T/WT	0.00090	%	115	----	----	----	----	

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



CERTIFICATE OF ANALYSIS

Work Order	: FC2600716	Page	: 1 of 7
Client	: Regional Municipality of Wood Buffalo	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Megha Walia
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 Imperial Release	Date Samples Received	: 14-Apr-2026 16:00
PO	: 4500068005	Date Analysis	: 15-Apr-2026
C-O-C number	: ----	Commenced	
Sampler	: JH	Issue Date	: 29-Apr-2026 17:14
Site	: ----		
Quote number	: FC24-RMWB100-0005 FC SC4		
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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Beelee Lacson	Lab Assistant	Inorganics, Edmonton, Alberta
Catherine DeMone	Laboratory Analyst	LCMS, Waterloo, Ontario
Christian Murera	Lab Analyst	Organics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jon Fisher	Laboratory Manager - Environmental	LCMS, Waterloo, Ontario
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Parth Goswami	Team Leader - LCMS	LCMS, Waterloo, Ontario
Sanja Risticewi	Department Manager - LCMS	LCMS, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	VOC, Waterloo, Ontario
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, 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.

<i>Unit</i>	<i>Description</i>
-	no units
%	percent
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
CU	colour units (1 cu = 1 mg/l pt)
mg/L	milligrams per litre
pH units	pH 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

<i>Qualifier</i>	<i>Description</i>
DLAI	Detection limit raised due to low level analytical interference or background.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).



Analytical Results

FC2600716-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap

Client sampling date / time: 14-Apr-2026 10:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Physical Tests								
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	37.8	1.2	mg/L	E290/EO	15-Apr-2026	15-Apr-2026	2540659
Alkalinity, carbonate (as CO ₃)	3812-32-6	<0.6	0.6	mg/L	E290/EO	15-Apr-2026	15-Apr-2026	2540659
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	15-Apr-2026	15-Apr-2026	2540659
Alkalinity, total (as CaCO ₃)	----	31.0	1.0	mg/L	E290/EO	15-Apr-2026	15-Apr-2026	2540659
Colour, true	----	7.8	2.0	CU	E329-L/EO	17-Apr-2026	17-Apr-2026	2544071
Conductivity	----	84.1	1.0	µS/cm	E100/EO	15-Apr-2026	15-Apr-2026	2540658
Hardness (as CaCO ₃), dissolved	----	31.2	0.50	mg/L	EC100/EO	-	17-Apr-2026	-
Hardness (as CaCO ₃), from total Ca/Mg	----	30.0	0.50	mg/L	EC100A/EO	-	17-Apr-2026	-
pH	----	7.27	0.10	pH units	E108/EO	15-Apr-2026	15-Apr-2026	2540657
Solids, total dissolved [TDS]	----	52	13	mg/L	E162/EO	-	18-Apr-2026	2545285
Solids, total dissolved [TDS], calculated	----	49.1	1.0	mg/L	EC103/EO	-	16-Apr-2026	-
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	<0.0050	0.0050	mg/L	E298/EO	16-Apr-2026	16-Apr-2026	2541756
Chloride	16887-00-6	3.44	0.50	mg/L	E235.Cl/EO	15-Apr-2026	15-Apr-2026	2540558
Fluoride	16984-48-8	0.043	0.020	mg/L	E235.F/EO	15-Apr-2026	15-Apr-2026	2540555
Nitrate (as N)	14797-55-8	0.112	0.020	mg/L	E235.NO3/EO	15-Apr-2026	15-Apr-2026	2540556
Nitrate + Nitrite (as N)	----	0.112	0.022	mg/L	EC235.N+N/EO	-	16-Apr-2026	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	15-Apr-2026	15-Apr-2026	2540559
Sulfate (as SO ₄)	14808-79-8	4.51	0.30	mg/L	E235.SO4/EO	15-Apr-2026	15-Apr-2026	2540557
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0200 ^{DLM}	0.0200	mg/L	E333/WT	21-Apr-2026	21-Apr-2026	2542392
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	4.89	0.50	mg/L	E355-L/EO	15-Apr-2026	15-Apr-2026	2540141
Inorganics								
Chlorine, total	7782-50-5	<0.10	0.10	mg/L	E326-H/EO	-	15-Apr-2026	2540428
Chlorine, free	7782-50-5	<0.10	0.10	mg/L	E327-H/EO	-	15-Apr-2026	2540430
Chloramines, total (as Cl ₂)	----	<0.20	0.20	mg/L	EC326/EO	-	17-Apr-2026	-
Total Sulfides								
Sulfide, total (as S)	18496-25-8	0.0068	0.0015	mg/L	E395/CG	-	16-Apr-2026	2541955
Sulfide, total (as H ₂ S)	7783-06-4	0.0072	0.0016	mg/L	E395/CG	-	16-Apr-2026	2541955
Ion Balance								
Ion balance (cations/anions)	----	97.6	0.010	%	EC101/EO	-	16-Apr-2026	-
Total Metals								
Aluminum, total	7429-90-5	0.0519	0.0030	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Arsenic, total	7440-38-2	0.00023	0.00010	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Barium, total	7440-39-3	0.0158	0.00010	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Boron, total	7440-42-8	0.014	0.010	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Calcium, total	7440-70-2	7.86	0.050	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Copper, total	7440-50-8	0.00458	0.00050	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Iron, total	7439-89-6	0.105	0.010	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Lead, total	7439-92-1	<0.050	0.050	µg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Magnesium, total	7439-95-4	2.53	0.0050	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345



Analytical Results

FC2600716-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap

Client sampling date / time: 14-Apr-2026 10:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Manganese, total	7439-96-5	0.00563	0.00010	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Mercury, total	7439-97-6	<0.0050	0.0050	µg/L	E508/EO	17-Apr-2026	17-Apr-2026	2544196
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Selenium, total	7782-49-2	<0.050	0.050	µg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Silver, total	7440-22-4	<0.010	0.010	µg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Sodium, total	7440-23-5	2.92	0.050	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Strontium, total	7440-24-6	0.0560	0.00020	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Uranium, total	7440-61-1	0.067	0.010	µg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	17-Apr-2026	17-Apr-2026	2543345
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0551	0.0010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Arsenic, dissolved	7440-38-2	0.00022	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Barium, dissolved	7440-39-3	0.0160	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Beryllium, dissolved	7440-41-7	<0.020	0.020	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Bismuth, dissolved	7440-69-9	<0.050	0.050	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Boron, dissolved	7440-42-8	0.014	0.010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Calcium, dissolved	7440-70-2	8.20	0.050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Cesium, dissolved	7440-46-2	<0.010	0.010	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Copper, dissolved	7440-50-8	0.00232	0.00020	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Iron, dissolved	7439-89-6	0.093	0.010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Lead, dissolved	7439-92-1	<0.050	0.050	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Lithium, dissolved	7439-93-2	0.0031	0.0010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Magnesium, dissolved	7439-95-4	2.60	0.0050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Manganese, dissolved	7439-96-5	0.00547	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Molybdenum, dissolved	7439-98-7	0.201	0.050	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Nickel, dissolved	7440-02-0	0.00064	0.00050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Potassium, dissolved	7440-09-7	0.987	0.050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Rubidium, dissolved	7440-17-7	0.00110	0.00020	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Selenium, dissolved	7782-49-2	<0.050	0.050	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Silicon, dissolved	7440-21-3	2.57	0.050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Silver, dissolved	7440-22-4	<0.010	0.010	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Sodium, dissolved	7440-23-5	3.15	0.050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Strontium, dissolved	7440-24-6	0.0573	0.00020	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Sulfur, dissolved	7704-34-9	1.23	0.50	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Thallium, dissolved	7440-28-0	<0.010	0.010	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Titanium, dissolved	7440-32-6	0.00139	0.00030	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926



Analytical Results

FC2600716-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap

Client sampling date / time: 14-Apr-2026 10:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Dissolved Metals								
Uranium, dissolved	7440-61-1	0.068	0.010	µg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Zirconium, dissolved	7440-67-7	<0.00020	0.00020	mg/L	E421/EO	17-Apr-2026	17-Apr-2026	2543926
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	17-Apr-2026	2543926
Aggregate Organics								
Nitritotriacetic acid [NTA]	139-13-9	<0.40	0.40	mg/L	E394/WT	-	22-Apr-2026	2549176
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	20-Apr-2026	20-Apr-2026	2546544
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	92.1	1.0	%	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Bromofluorobenzene, 4-	460-00-4	92.7	1.0	%	E611I/WT	20-Apr-2026	20-Apr-2026	2546544
Difluorobenzene, 1,4-	540-36-3	91.8	1.0	%	E611E/EO	17-Apr-2026	17-Apr-2026	2543306
Difluorobenzene, 1,4-	540-36-3	98.9	1.0	%	E611I/WT	20-Apr-2026	20-Apr-2026	2546544
Polycyclic Aromatic Hydrocarbons								
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	16-Apr-2026	16-Apr-2026	2541818
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	107	0.1	%	E641A/EO	16-Apr-2026	16-Apr-2026	2541818
Naphthalene-d8	1146-65-2	104	0.1	%	E641A/EO	16-Apr-2026	16-Apr-2026	2541818
Phenanthrene-d10	1517-22-2	99.3	0.1	%	E641A/EO	16-Apr-2026	16-Apr-2026	2541818
Disinfectant By-Products								
Bromate	15541-45-4	<0.30	0.30	µg/L	E722A/WT	20-Apr-2026	21-Apr-2026	2546319
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	17-Apr-2026	17-Apr-2026	2543681
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	17-Apr-2026	17-Apr-2026	2543682
Semi-Volatile Organics								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.00090	0.00090	µg/L	E725-T/WT	17-Apr-2026	17-Apr-2026	2543342
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	72.3	1.0	%	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Nitrobenzene-d5	4165-60-0	75.7	1.0	%	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Terphenyl-d14, p-	1718-51-0	87.7	1.0	%	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Chlorinated Phenolics								



Analytical Results

FC2600716-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap

Client sampling date / time: 14-Apr-2026 10:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Chlorinated Phenolics								
Dichlorophenol, 2,4-	120-83-2	<0.20	0.20	µg/L	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Trichlorophenol, 2,4,6-	88-06-2	<0.20	0.20	µg/L	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	67.4	0.50	%	E625A/WT	21-Apr-2026	21-Apr-2026	2547837
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	121	0.10	%	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Tetrachloro-m-xylene	877-09-8	120	0.10	%	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Herbicides								
Alachlor	15972-60-8	<0.050	0.050	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Atrazine	1912-24-9	<0.050	0.050	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Atrazine + metabolites, total	----	<0.45	0.45	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Atrazine + N-dealkylated metabolites	----	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Atrazine-desethyl	6190-65-4	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Cyanazine	21725-46-2	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	24-Apr-2026	2543832
Diclofop-methyl	51338-27-3	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Diuron	330-54-1	<0.050	0.050	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Metolachlor	51218-45-2	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Metribuzin	21087-64-9	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Prometryn	7287-19-6	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Simazine	122-34-9	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Triallate	2303-17-5	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Trifluralin	1582-09-8	<0.10	0.10	µg/L	E756/WT	22-Apr-2026	22-Apr-2026	2550496
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	111	1.0	%	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Insecticides								
Aldicarb	116-06-3	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Azinphos-methyl	86-50-0	<0.10	0.10	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Bendiocarb	22781-23-3	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Carbaryl	63-25-2	<0.050	0.050	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Carbofuran	1563-66-2	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Chlorpyrifos	2921-88-2	<0.10	0.10	µg/L	E756/WT	22-Apr-2026	22-Apr-2026	2550496
Diazinon	333-41-5	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Dimethoate	60-51-5	<0.050	0.050	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Malathion	121-75-5	<0.025	0.025	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Parathion	56-38-2	<0.10	0.10	µg/L	E756/WT	22-Apr-2026	22-Apr-2026	2550496
Phorate	298-02-2	<0.25	0.25	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Temephos	3383-96-8	<0.25	0.25	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Terbufos	13071-79-9	<0.50	0.50	µg/L	E755/WT	17-Apr-2026	17-Apr-2026	2543832
Pesticides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034



Analytical Results

FC2600716-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap

Client sampling date / time: 14-Apr-2026 10:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Pesticides								
Bromoxynil	1689-84-5	<0.050	0.050	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDD, total	----	<0.0060	0.0060	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDE, total	----	<0.0060	0.0060	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDT + metabolites, total	----	<0.010	0.010	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
DDT, total	----	<0.0060	0.0060	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Dicamba	1918-00-9	<1.00 ^{DLA}	1.00	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	16-Apr-2026	20-Apr-2026	2541866
Glyphosate	1071-83-6	<1.0	1.0	µg/L	E716A/WT	20-Apr-2026	24-Apr-2026	2547046
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Hexachlorocyclohexane, gamma- [Lindane]	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Oxychlordan	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	20-Apr-2026	21-Apr-2026	2547034
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	16-Apr-2026	20-Apr-2026	2541866
Picloram	1918-02-1	<0.50 ^{DLM}	0.50	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	20-Apr-2026	20-Apr-2026	2546470
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	115	0.00090	%	E725-T/WT	17-Apr-2026	17-Apr-2026	2543342

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