
CERTIFICATE OF ANALYSIS

Work Order	: FC2601617	Laboratory	: ALS Environmental - Fort McMurray
Client	: Regional Municipality of Wood Buffalo	Account Manager	: Vishal Akolkar
Contact	: Water Treatment Plant	Address	: #4, 340 Macalpine Crescent
Address	: 1 Silin Forest Road		Fort McMurray AB Canada T9H 4A8
	Fort McMurray Alberta Canada T9H 5A1	E-mail	: Vishal.Akolkar@alsglobal.com
Telephone	: 780-762-5863	Telephone	: +1 780 791 1524
Project	: Fort Chipewyan Imperial Release	Date Samples Received	: 13-Jul-2026 16:15
PO	: 4500068005	Date Analysis Commenced	: 14-Jul-2026
C-O-C number	: ----	Issue Date	: 23-Jul-2026 14:24
Sampler	: PP		
Site	: ----		
Quote number	: Water Treatment Plant		
No. of samples received	: 2		
No. of samples analysed	: 2		

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
Alex Drake	Lab Analyst	Organics, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Beelee Lacson	Lab Assistant	Inorganics, Edmonton, Alberta
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
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Catherine DeMone	Laboratory Analyst	LCMS, Waterloo, Ontario
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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
CU	colour units (1 cu = 1 mg/l pt)
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
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)

					Raw Water Chamber Tap - SC4 ----	Raw Water Chamber Tap- Table 1 ----	----	----	----
Client sample ID									
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Sample Preparation									
Dissolved carbon filtration location	----	EP358/EO	-	-	----	field	----	----	----
Physical Tests									
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	E290/EO	1.2	mg/L	89.8	88.0	----	----	----
Alkalinity, carbonate (as CO ₃)	3812-32-6	E290/EO	1.0	mg/L	<0.6	<0.6	----	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/EO	1.0	mg/L	<0.3	<0.3	----	----	----
Alkalinity, total (as CaCO ₃)	----	E290/EO	1.0	mg/L	73.6	72.1	----	----	----
Colour, true	----	E329-L/EO	2.0	CU	53.0	----	----	----	----
Conductivity	----	E100/EO	1.0	µS/cm	171	171	----	----	----
Hardness (as CaCO ₃), dissolved	----	EC100/EO	0.50	mg/L	78.7	80.4	----	----	----
Hardness (as CaCO ₃), from total Ca/Mg	----	EC100A/EO	0.50	mg/L	80.8	----	----	----	----
pH	----	E108/EO	0.10	pH units	7.84	7.90	----	----	----
Salinity	----	EC100S/VA	1.0	psu	----	<1.0	----	----	----
Solids, total dissolved [TDS]	----	E162/EO	10	mg/L	137	----	----	----	----
Solids, total dissolved [TDS], calculated	----	EC103/EO	1.0	mg/L	107	120	----	----	----
Anions and Nutrients									
Ammonia, total (as N)	7664-41-7	E298/EO	0.0050	mg/L	0.0153	----	----	----	----
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L	4.26	4.19	----	----	----
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L	0.082	0.082	----	----	----
Nitrate (as N)	14797-55-8	E235.NO ₃ /EO	0.020	mg/L	0.020	0.022	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/EO	0.0032	mg/L	<0.022	<0.022	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Client sample ID					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap - Table 1	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Anions and Nutrients									
Nitrite (as N)	14797-65-0	E235.NO2/EO	0.010	mg/L	<0.010	<0.010	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/EO	0.30	mg/L	15.0	14.2	----	----	----
Cyanides									
Cyanide, strong acid dissociable (Total)	----	E333/WT	0.0020	mg/L	<0.0020	----	----	----	----
Organic / Inorganic Carbon									
Carbon, dissolved organic [DOC]	----	E358-L/EO	0.50	mg/L	----	14.1	----	----	----
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L	13.7	14.2	----	----	----
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	0.0044	0.0039	----	----	----
Sulfide, total (as H2S)	7783-06-4	E395/CG	0.0016	mg/L	0.0047	0.0041	----	----	----
Metals									
Sodium adsorption ratio [SAR]	----	EC102A/EO	0.10	-	----	0.35	----	----	----
Ion Balance									
Ion balance (cations/anions)	----	EC101/EO	0.010	%	101	105	----	----	----
Total Metals									
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L	0.380	0.446	----	----	----
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L	0.00012	0.00012	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
					Client sampling date / time	13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----	----
					Result	Result	----	----	----	----
Total Metals										
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L	0.00120	0.00145	----	----	----	----
Barium, total	7440-39-3	E420/EO	0.00010	mg/L	0.0442	0.0502	----	----	----	----
Beryllium, total	7440-41-7	E420/EO	0.020	µg/L	----	0.040	----	----	----	----
Bismuth, total	7440-69-9	E420/EO	0.050	µg/L	----	<0.050	----	----	----	----
Boron, total	7440-42-8	E420/EO	0.010	mg/L	0.026	0.027	----	----	----	----
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L	0.0173	0.0214	----	----	----	----
Calcium, total	7440-70-2	E420/EO	0.050	mg/L	21.7	22.6	----	----	----	----
Cesium, total	7440-46-2	E420/EO	0.010	µg/L	----	0.118	----	----	----	----
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L	0.00069	0.00077	----	----	----	----
Cobalt, total	7440-48-4	E420/EO	0.00010	mg/L	----	0.00045	----	----	----	----
Copper, total	7440-50-8	E420/EO	0.00050	mg/L	0.00274	0.00328	----	----	----	----
Iron, total	7439-89-6	E420/EO	0.010	mg/L	0.779	1.26	----	----	----	----
Lead, total	7439-92-1	E420/EO	0.050	µg/L	0.416	0.678	----	----	----	----
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L	----	0.0058	----	----	----	----
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L	6.47	6.51	----	----	----	----
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L	0.0883	0.254	----	----	----	----
Mercury, total	7439-97-6	E508/EO	0.0050	µg/L	<0.0050	----	----	----	----	----
Molybdenum, total	7439-98-7	E420/EO	0.050	µg/L	----	0.626	----	----	----	----
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L	0.00226	0.00270	----	----	----	----
Phosphorus, total	7723-14-0	E420/EO	0.050	mg/L	----	<0.050	----	----	----	----



Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
					Client sampling date / time	13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----	----
					Result	Result	----	----	----	----
Total Metals										
Potassium, total	7440-09-7	E420/EO	0.050	mg/L	----	1.52	----	----	----	----
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L	----	0.00250	----	----	----	----
Selenium, total	7782-49-2	E420/EO	0.050	µg/L	0.150	0.169	----	----	----	----
Silicon, total	7440-21-3	E420/EO	0.10	mg/L	----	3.26	----	----	----	----
Silver, total	7440-22-4	E420/EO	0.010	µg/L	<0.010	<0.010	----	----	----	----
Sodium, total	7440-23-5	E420/EO	0.050	mg/L	7.53	7.33	----	----	----	----
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L	0.132	0.128	----	----	----	----
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L	----	5.38	----	----	----	----
Tellurium, total	13494-80-9	E420/EO	0.00020	mg/L	----	<0.00020	----	----	----	----
Thallium, total	7440-28-0	E420/EO	0.010	µg/L	----	0.015	----	----	----	----
Thorium, total	7440-29-1	E420/EO	0.00010	mg/L	----	0.00016	----	----	----	----
Tin, total	7440-31-5	E420/EO	0.00010	mg/L	----	<0.00010	----	----	----	----
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L	----	0.0140	----	----	----	----
Tungsten, total	7440-33-7	E420/EO	0.00010	mg/L	----	<0.00010	----	----	----	----
Uranium, total	7440-61-1	E420/EO	0.010	µg/L	0.274	0.297	----	----	----	----
Vanadium, total	7440-62-2	E420/EO	0.00050	mg/L	----	0.00183	----	----	----	----
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L	0.0034	0.0036	----	----	----	----
Zirconium, total	7440-67-7	E420/EO	0.00020	mg/L	----	0.00070	----	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L	0.0071	0.0065	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sample ID					----	----	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Dissolved Metals									
Antimony, dissolved	7440-36-0	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----
Arsenic, dissolved	7440-38-2	E421/EO	0.00010	mg/L	0.00089	0.00084	----	----	----
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L	0.0403	0.0406	----	----	----
Beryllium, dissolved	7440-41-7	E421/EO	0.020	µg/L	<0.020	<0.020	----	----	----
Bismuth, dissolved	7440-69-9	E421/EO	0.050	µg/L	<0.050	<0.050	----	----	----
Boron, dissolved	7440-42-8	E421/EO	0.010	mg/L	0.025	0.025	----	----	----
Cadmium, dissolved	7440-43-9	E421/EO	0.0050	µg/L	0.0050	0.0055	----	----	----
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L	21.6	22.7	----	----	----
Cesium, dissolved	7440-46-2	E421/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Chromium, dissolved	7440-47-3	E421/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----
Cobalt, dissolved	7440-48-4	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----
Copper, dissolved	7440-50-8	E421/EO	0.00020	mg/L	0.00214	0.00214	----	----	----
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L	0.167	0.166	----	----	----
Lead, dissolved	7439-92-1	E421/EO	0.050	µg/L	0.077	0.081	----	----	----
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L	0.0052	0.0053	----	----	----
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L	6.01	5.75	----	----	----
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L	0.00203	0.00170	----	----	----
Molybdenum, dissolved	7439-98-7	E421/EO	0.050	µg/L	0.659	0.652	----	----	----
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L	0.00179	0.00176	----	----	----
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L	<0.050	<0.050	----	----	----



Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sample ID					----	----	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Dissolved Metals									
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L	1.44	1.39	----	----	----
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L	0.00131	0.00134	----	----	----
Selenium, dissolved	7782-49-2	E421/EO	0.050	µg/L	0.158	0.153	----	----	----
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L	2.39	2.36	----	----	----
Silver, dissolved	7440-22-4	E421/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L	7.28	7.19	----	----	----
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L	0.128	0.129	----	----	----
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L	5.57	5.56	----	----	----
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L	<0.00020	<0.00020	----	----	----
Thallium, dissolved	7440-28-0	E421/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Thorium, dissolved	7440-29-1	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----
Tin, dissolved	7440-31-5	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----
Titanium, dissolved	7440-32-6	E421/EO	0.00030	mg/L	0.00175	0.00179	----	----	----
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----
Uranium, dissolved	7440-61-1	E421/EO	0.010	µg/L	0.254	0.251	----	----	----
Vanadium, dissolved	7440-62-2	E421/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----
Zinc, dissolved	7440-66-6	E421/EO	0.0010	mg/L	<0.0010	<0.0010	----	----	----
Zirconium, dissolved	7440-67-7	E421/EO	0.00020	mg/L	0.00033	0.00034	----	----	----
Dissolved metals filtration location	----	EP421/EO	-	-	Laboratory	Laboratory	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sample ID									
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Aggregate Organics									
Naphthenic acids	----	E565/EO	1.0	mg/L	----	<1.0	----	----	----
Nitrilotriacetic 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	----	----	----	----
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	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Sub-Matrix: Water (Matrix: Water)					Client sample ID	Raw Water Chamber Tap - SC4 ----	Raw Water Chamber Tap- Table 1 ----	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----	
					Result	Result	----	----	----	
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	----	----	----	
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	%	----	109	----	----	----	
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%	----	120	----	----	----	
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%	----	99.9	----	----	----	



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sample ID					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Volatile Organic Compounds Surrogates									
Bromofluorobenzene, 4-	460-00-4	E611I/WT	1.0	%	95.2	----	----	----	----
Bromofluorobenzene, 4-	460-00-4	E611E/EO	1.0	%	80.0	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%	----	98.2	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611I/WT	1.0	%	98.8	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611E/EO	1.0	%	96.7	----	----	----	----
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	<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	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sampling date / time						13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----	----
					Result	Result	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
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	%	99.0	92.9	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%	128	102	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%	93.8	98.2	----	----	----	----
Disinfectant By-Products										
Bromate	15541-45-4	E722A/WT	0.30	µg/L	<0.30	----	----	----	----	----
Chlorate	14866-68-3	E409.CLO3/WT	0.010	mg/L	<0.010	<0.010	----	----	----	----
Chlorite	14998-27-7	E409.CLO2/WT	0.010	mg/L	<0.010	<0.010	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Client sample ID					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
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	%	79.8	----	----	----	----
Nitrobenzene-d5	4165-60-0	E625A/WT	1.0	%	86.3	----	----	----	----
Terphenyl-d14, p-	1718-51-0	E625A/WT	1.0	%	77.2	----	----	----	----
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	%	82.3	----	----	----	----
Organochlorine Pesticides Surrogates									
Decachlorobiphenyl	2051-24-3	E660F/WT	0.10	%	108	----	----	----	----
Tetrachloro-m-xylene	877-09-8	E660F/WT	0.10	%	98.1	----	----	----	----
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	----	----	----	----
Atrazine + metabolites, total	----	E755/WT	0.45	µg/L	<0.45	----	----	----	----
Atrazine + N-dealkylated metabolites	----	E755/WT	0.10	µg/L	<0.10	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sample ID					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Herbicides									
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	%	80.1	----	----	----	----
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	----	----	----	----
Chlorpyrifos	2921-88-2	E756/WT	0.10	µg/L	<0.10	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sample ID									
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----
					Result	Result	----	----	----
Insecticides									
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	----	----	----	----
DDE, 4,4'-	72-55-9	E660F/WT	0.0040	µg/L	<0.0040	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Raw Water Chamber Tap - SC4	Raw Water Chamber Tap- Table 1	----	----	----
Client sampling date / time						13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----	----
					Result	Result	----	----	----	----
Pesticides										
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	----	----	----	----	----
Oxychlordan	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)

Sub-Matrix: Water (Matrix: Water)					Client sample ID	Raw Water Chamber Tap - SC4 ----	Raw Water Chamber Tap- Table 1 ----	----	----	----
Client sampling date / time					13-Jul-2026 09:00	13-Jul-2026 09:00	----	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2601617-001	FC2601617-002	----	----	----	
					Result	Result	----	----	----	
Nitrosamines Surrogates										
Nitrosodimethylamine-d6, N-	17829-05-9	E725-T/WT	0.00090	%	100	----	----	----	----	

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

CERTIFICATE OF ANALYSIS

Work Order	: FC2601617	Page	: 1 of 11
Client	: Regional Municipality of Wood Buffalo	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Vishal Akolkar
Address	: 1 Silin Forest Road	Address	: #4, 340 Macalpine Crescent
	Fort McMurray AB Canada T9H 5A1		Fort McMurray AB Canada T9H 4A8
Telephone	: 780-762-5863	Telephone	: +1 780 791 1524
Project	: Fort Chipewyan Imperial Release	Date Samples Received	: 13-Jul-2026 16:15
PO	: 4500068005	Date Analysis	: 14-Jul-2026
		Commenced	
		Issue Date	: 23-Jul-2026 14:24
C-O-C number	: ----		
Sampler	: PP		
Site	: ----		
Quote number	: Water Treatment Plant		
No. of samples received	: 2		
No. of samples analysed	: 2		

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
Alex Drake	Lab Analyst	Organics, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Beelee Lacson	Lab Assistant	Inorganics, Edmonton, Alberta
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
Brayden Ginther	Laboratory Analyst	Metals, Edmonton, Alberta
Catherine DeMone	Laboratory Analyst	LCMS, Waterloo, Ontario
Daniel Nguyen	Laboratory Analyst	Inorganics, 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
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Jorgia Schlesinger	Laboratory Analyst	Inorganics, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Nick Zhang	Lab Assistant	Inorganics, Edmonton, Alberta
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Parth Goswami	Team Leader - LCMS	LCMS, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	VOC, Waterloo, Ontario
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Metals, Edmonton, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia
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
CU	colour units (1 cu = 1 mg/l pt)
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
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

FC2601617-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap - SC4

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	89.8	1.2	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Alkalinity, carbonate (as CO ₃)	3812-32-6	<0.6	0.6	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Alkalinity, total (as CaCO ₃)	----	73.6	1.0	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Colour, true	----	53.0	2.0	CU	E329-L/EO	14-Jul-2026	14-Jul-2026	2708488
Conductivity	----	171	1.0	µS/cm	E100/EO	14-Jul-2026	14-Jul-2026	2708707
Hardness (as CaCO ₃), dissolved	----	78.7	0.50	mg/L	EC100/EO	-	15-Jul-2026	-
Hardness (as CaCO ₃), from total Ca/Mg	----	80.8	0.50	mg/L	EC100A/EO	-	15-Jul-2026	-
pH	----	7.84	0.10	pH units	E108/EO	14-Jul-2026	14-Jul-2026	2708706
Solids, total dissolved [TDS]	----	137	13	mg/L	E162/EO	-	14-Jul-2026	2708300
Solids, total dissolved [TDS], calculated	----	107	1.0	mg/L	EC103/EO	-	14-Jul-2026	-
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	0.0153	0.0050	mg/L	E298/EO	14-Jul-2026	14-Jul-2026	2708187
Chloride	16887-00-6	4.26	0.50	mg/L	E235.Cl/EO	14-Jul-2026	14-Jul-2026	2708559
Fluoride	16984-48-8	0.082	0.020	mg/L	E235.F/EO	14-Jul-2026	14-Jul-2026	2708558
Nitrate (as N)	14797-55-8	0.020	0.020	mg/L	E235.NO ₃ /EO	14-Jul-2026	14-Jul-2026	2708555
Nitrate + Nitrite (as N)	----	<0.022	0.022	mg/L	EC235.N+N/EO	-	15-Jul-2026	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO ₂ /EO	14-Jul-2026	14-Jul-2026	2708556
Sulfate (as SO ₄)	14808-79-8	15.0	0.30	mg/L	E235.SO ₄ /EO	14-Jul-2026	14-Jul-2026	2708557
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0020	0.0020	mg/L	E333/WT	15-Jul-2026	15-Jul-2026	2710515
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	13.7	0.50	mg/L	E355-L/EO	14-Jul-2026	14-Jul-2026	2708507
Inorganics								
Chlorine, total	7782-50-5	<0.10	0.10	mg/L	E326-H/EO	-	14-Jul-2026	2708689
Chlorine, free	7782-50-5	<0.10	0.10	mg/L	E327-H/EO	-	14-Jul-2026	2708691
Chloramines, total (as Cl ₂)	----	<0.20	0.20	mg/L	EC326/EO	-	14-Jul-2026	-
Total Sulfides								
Sulfide, total (as S)	18496-25-8	0.0044	0.0015	mg/L	E395/CG	-	15-Jul-2026	2709876
Sulfide, total (as H ₂ S)	7783-06-4	0.0047	0.0016	mg/L	E395/CG	-	15-Jul-2026	2709876
Ion Balance								
Ion balance (cations/anions)	----	101	0.010	%	EC101/EO	-	14-Jul-2026	-
Total Metals								
Aluminum, total	7429-90-5	0.380	0.0030	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Antimony, total	7440-36-0	0.00012	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Arsenic, total	7440-38-2	0.00120	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Barium, total	7440-39-3	0.0442	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Boron, total	7440-42-8	0.026	0.010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Cadmium, total	7440-43-9	0.0173	0.0050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Calcium, total	7440-70-2	21.7	0.050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Chromium, total	7440-47-3	0.00069	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Copper, total	7440-50-8	0.00274	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Iron, total	7439-89-6	0.779	0.010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Lead, total	7439-92-1	0.416	0.050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Magnesium, total	7439-95-4	6.47	0.0050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621



Analytical Results

FC2601617-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap - SC4

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Manganese, total	7439-96-5	0.0883	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Mercury, total	7439-97-6	<0.0050	0.0050	µg/L	E508/EO	14-Jul-2026	14-Jul-2026	2708360
Nickel, total	7440-02-0	0.00226	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Selenium, total	7782-49-2	0.150	0.050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Silver, total	7440-22-4	<0.010	0.010	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Sodium, total	7440-23-5	7.53	0.050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Strontium, total	7440-24-6	0.132	0.00020	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Uranium, total	7440-61-1	0.274	0.010	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Zinc, total	7440-66-6	0.0034	0.0030	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0071	0.0010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Arsenic, dissolved	7440-38-2	0.00089	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Barium, dissolved	7440-39-3	0.0403	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Beryllium, dissolved	7440-41-7	<0.020	0.020	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Bismuth, dissolved	7440-69-9	<0.050	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Boron, dissolved	7440-42-8	0.025	0.010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Cadmium, dissolved	7440-43-9	0.0050	0.0050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Calcium, dissolved	7440-70-2	21.6	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Cesium, dissolved	7440-46-2	<0.010	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Copper, dissolved	7440-50-8	0.00214	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Iron, dissolved	7439-89-6	0.167	0.010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Lead, dissolved	7439-92-1	0.077	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Lithium, dissolved	7439-93-2	0.0052	0.0010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Magnesium, dissolved	7439-95-4	6.01	0.0050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Manganese, dissolved	7439-96-5	0.00203	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Molybdenum, dissolved	7439-98-7	0.659	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Nickel, dissolved	7440-02-0	0.00179	0.00050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Potassium, dissolved	7440-09-7	1.44	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Rubidium, dissolved	7440-17-7	0.00131	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Selenium, dissolved	7782-49-2	0.158	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Silicon, dissolved	7440-21-3	2.39	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Silver, dissolved	7440-22-4	<0.010	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Sodium, dissolved	7440-23-5	7.28	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Strontium, dissolved	7440-24-6	0.128	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Sulfur, dissolved	7704-34-9	5.57	0.50	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Thallium, dissolved	7440-28-0	<0.010	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Titanium, dissolved	7440-32-6	0.00175	0.00030	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483



Analytical Results

FC2601617-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap - SC4

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Dissolved Metals								
Uranium, dissolved	7440-61-1	0.254	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Zirconium, dissolved	7440-67-7	0.00033	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Dissolved metals filtration location	----	Laboratory	-	-	EP421/EO	-	14-Jul-2026	2708483
Aggregate Organics								
Nitritotriacetic acid [NTA]	139-13-9	<0.40	0.40	mg/L	E394/WT	-	20-Jul-2026	2719118
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	15-Jul-2026	15-Jul-2026	2710259
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	80.0	1.0	%	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Bromofluorobenzene, 4-	460-00-4	95.2	1.0	%	E611I/WT	15-Jul-2026	15-Jul-2026	2710259
Difluorobenzene, 1,4-	540-36-3	96.7	1.0	%	E611E/EO	14-Jul-2026	14-Jul-2026	2708129
Difluorobenzene, 1,4-	540-36-3	98.8	1.0	%	E611I/WT	15-Jul-2026	15-Jul-2026	2710259
Polycyclic Aromatic Hydrocarbons								
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	99.0	0.1	%	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Naphthalene-d8	1146-65-2	128	0.1	%	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Phenanthrene-d10	1517-22-2	93.8	0.1	%	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Disinfectant By-Products								
Bromate	15541-45-4	<0.30	0.30	µg/L	E722A/WT	15-Jul-2026	16-Jul-2026	2711198
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	15-Jul-2026	15-Jul-2026	2710329
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	15-Jul-2026	15-Jul-2026	2710328
Semi-Volatile Organics								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.00090	0.00090	µg/L	E725-T/WT	21-Jul-2026	22-Jul-2026	2721829
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	79.8	1.0	%	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Nitrobenzene-d5	4165-60-0	86.3	1.0	%	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Terphenyl-d14, p-	1718-51-0	77.2	1.0	%	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Chlorinated Phenolics								



Analytical Results

FC2601617-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap - SC4

Client sampling date / time: 13-Jul-2026 09:00

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	15-Jul-2026	16-Jul-2026	2710900
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Trichlorophenol, 2,4,6-	88-06-2	<0.20	0.20	µg/L	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	82.3	0.50	%	E625A/WT	15-Jul-2026	16-Jul-2026	2710900
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	108	0.10	%	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Tetrachloro-m-xylene	877-09-8	98.1	0.10	%	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Herbicides								
Alachlor	15972-60-8	<0.050	0.050	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Atrazine	1912-24-9	<0.050	0.050	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Atrazine + metabolites, total	----	<0.45	0.45	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Atrazine + N-dealkylated metabolites	----	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Atrazine-desethyl	6190-65-4	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Cyanazine	21725-46-2	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Diclofop-methyl	51338-27-3	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Diuron	330-54-1	<0.050	0.050	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Metolachlor	51218-45-2	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Metribuzin	21087-64-9	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Prometryn	7287-19-6	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Simazine	122-34-9	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Triallate	2303-17-5	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Trifluralin	1582-09-8	<0.10	0.10	µg/L	E756/WT	17-Jul-2026	17-Jul-2026	2712272
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	80.1	1.0	%	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Insecticides								
Aldicarb	116-06-3	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Azinphos-methyl	86-50-0	<0.10	0.10	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Bendiocarb	22781-23-3	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Carbaryl	63-25-2	<0.050	0.050	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Carbofuran	1563-66-2	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Chlorpyrifos	2921-88-2	<0.10	0.10	µg/L	E756/WT	17-Jul-2026	17-Jul-2026	2712272
Diazinon	333-41-5	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Dimethoate	60-51-5	<0.050	0.050	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Malathion	121-75-5	<0.025	0.025	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Parathion	56-38-2	<0.10	0.10	µg/L	E756/WT	17-Jul-2026	17-Jul-2026	2712272
Phorate	298-02-2	<0.25	0.25	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Temephos	3383-96-8	<0.25	0.25	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Terbufos	13071-79-9	<0.50	0.50	µg/L	E755/WT	15-Jul-2026	15-Jul-2026	2710608
Pesticides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871



Analytical Results

FC2601617-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap - SC4

Client sampling date / time: 13-Jul-2026 09:00

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	16-Jul-2026	17-Jul-2026	2712223
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDD, total	----	<0.0060	0.0060	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDE, total	----	<0.0060	0.0060	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDT + metabolites, total	----	<0.010	0.010	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
DDT, total	----	<0.0060	0.0060	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Dicamba	1918-00-9	<1.00 ^{DLM}	1.00	µg/L	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	16-Jul-2026	16-Jul-2026	2712262
Glyphosate	1071-83-6	<1.0	1.0	µg/L	E716A/WT	16-Jul-2026	17-Jul-2026	2712195
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Hexachlorocyclohexane, gamma- [Lindane]	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Oxychlordan	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	15-Jul-2026	20-Jul-2026	2710871
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	16-Jul-2026	16-Jul-2026	2712262
Picloram	1918-02-1	<0.50 ^{DLM}	0.50	µg/L	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	16-Jul-2026	17-Jul-2026	2712223
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	100	0.00090	%	E725-T/WT	21-Jul-2026	22-Jul-2026	2721829

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

Analytical Results

FC2601617-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap-Table 1

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Sample Preparation								
Dissolved carbon filtration location	----	field	-	-	EP358/EO	-	14-Jul-2026	2708549
Physical Tests								
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	88.0	1.2	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Alkalinity, carbonate (as CO ₃)	3812-32-6	<0.6	0.6	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708



Analytical Results

FC2601617-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap-Table 1

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, total (as CaCO ₃)	----	72.1	1.0	mg/L	E290/EO	14-Jul-2026	14-Jul-2026	2708708
Conductivity	----	171	1.0	µS/cm	E100/EO	14-Jul-2026	14-Jul-2026	2708707
Hardness (as CaCO ₃), dissolved	----	80.4	0.50	mg/L	EC100/EO	-	15-Jul-2026	-
pH	----	7.90	0.10	pH units	E108/EO	14-Jul-2026	14-Jul-2026	2708706
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	16-Jul-2026	-
Solids, total dissolved [TDS], calculated	----	120	1.0	mg/L	EC103/EO	-	15-Jul-2026	-
Anions and Nutrients								
Chloride	16887-00-6	4.19	0.50	mg/L	E235.Cl/EO	14-Jul-2026	14-Jul-2026	2708559
Fluoride	16984-48-8	0.082	0.020	mg/L	E235.F/EO	14-Jul-2026	14-Jul-2026	2708558
Nitrate (as N)	14797-55-8	0.022	0.020	mg/L	E235.NO ₃ /EO	14-Jul-2026	14-Jul-2026	2708555
Nitrate + Nitrite (as N)	----	<0.022	0.022	mg/L	EC235.N+N/EO	-	15-Jul-2026	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO ₂ /EO	14-Jul-2026	14-Jul-2026	2708556
Sulfate (as SO ₄)	14808-79-8	14.2	0.30	mg/L	E235.SO ₄ /EO	14-Jul-2026	14-Jul-2026	2708557
Organic / Inorganic Carbon								
Carbon, dissolved organic [DOC]	----	14.1	0.50	mg/L	E358-L/EO	14-Jul-2026	14-Jul-2026	2708549
Carbon, total organic [TOC]	----	14.2	0.50	mg/L	E355-L/EO	14-Jul-2026	14-Jul-2026	2708507
Total Sulfides								
Sulfide, total (as S)	18496-25-8	0.0039	0.0015	mg/L	E395/CG	-	15-Jul-2026	2709876
Sulfide, total (as H ₂ S)	7783-06-4	0.0041	0.0016	mg/L	E395/CG	-	15-Jul-2026	2709876
Metals								
Sodium adsorption ratio [SAR]	----	0.35	0.10	-	EC102A/EO	-	15-Jul-2026	-
Ion Balance								
Ion balance (cations/anions)	----	105	0.010	%	EC101/EO	-	15-Jul-2026	-
Total Metals								
Aluminum, total	7429-90-5	0.446	0.0030	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Antimony, total	7440-36-0	0.00012	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Arsenic, total	7440-38-2	0.00145	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Barium, total	7440-39-3	0.0502	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Beryllium, total	7440-41-7	0.040	0.020	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Bismuth, total	7440-69-9	<0.050	0.050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Boron, total	7440-42-8	0.027	0.010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Cadmium, total	7440-43-9	0.0214	0.0050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Calcium, total	7440-70-2	22.6	0.050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Cesium, total	7440-46-2	0.118	0.010	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Chromium, total	7440-47-3	0.00077	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Cobalt, total	7440-48-4	0.00045	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Copper, total	7440-50-8	0.00328	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Iron, total	7439-89-6	1.26	0.010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Lead, total	7439-92-1	0.678	0.050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Lithium, total	7439-93-2	0.0058	0.0010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Magnesium, total	7439-95-4	6.51	0.0050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Manganese, total	7439-96-5	0.254	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Molybdenum, total	7439-98-7	0.626	0.050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Nickel, total	7440-02-0	0.00270	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621



Analytical Results

FC2601617-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap-Table 1

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Total Metals								
Potassium, total	7440-09-7	1.52	0.050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Rubidium, total	7440-17-7	0.00250	0.00020	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Selenium, total	7782-49-2	0.169	0.050	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Silicon, total	7440-21-3	3.26	0.10	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Silver, total	7440-22-4	<0.010	0.010	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Sodium, total	7440-23-5	7.33	0.050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Strontium, total	7440-24-6	0.128	0.00020	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Sulfur, total	7704-34-9	5.38	0.50	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Thallium, total	7440-28-0	0.015	0.010	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Thorium, total	7440-29-1	0.00016	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Titanium, total	7440-32-6	0.0140	0.00030	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Uranium, total	7440-61-1	0.297	0.010	µg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Vanadium, total	7440-62-2	0.00183	0.00050	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Zinc, total	7440-66-6	0.0036	0.0030	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Zirconium, total	7440-67-7	0.00070	0.00020	mg/L	E420/EO	14-Jul-2026	14-Jul-2026	2708621
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0065	0.0010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Arsenic, dissolved	7440-38-2	0.00084	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Barium, dissolved	7440-39-3	0.0406	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Beryllium, dissolved	7440-41-7	<0.020	0.020	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Bismuth, dissolved	7440-69-9	<0.050	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Boron, dissolved	7440-42-8	0.025	0.010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Cadmium, dissolved	7440-43-9	0.0055	0.0050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Calcium, dissolved	7440-70-2	22.7	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Cesium, dissolved	7440-46-2	<0.010	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Copper, dissolved	7440-50-8	0.00214	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Iron, dissolved	7439-89-6	0.166	0.010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Lead, dissolved	7439-92-1	0.081	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Lithium, dissolved	7439-93-2	0.0053	0.0010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Magnesium, dissolved	7439-95-4	5.75	0.0050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Manganese, dissolved	7439-96-5	0.00170	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Molybdenum, dissolved	7439-98-7	0.652	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Nickel, dissolved	7440-02-0	0.00176	0.00050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Potassium, dissolved	7440-09-7	1.39	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Rubidium, dissolved	7440-17-7	0.00134	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Selenium, dissolved	7782-49-2	0.153	0.050	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Silicon, dissolved	7440-21-3	2.36	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Silver, dissolved	7440-22-4	<0.010	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483



Analytical Results

FC2601617-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap-Table 1

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Dissolved Metals								
Sodium, dissolved	7440-23-5	7.19	0.050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Strontium, dissolved	7440-24-6	0.129	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Sulfur, dissolved	7704-34-9	5.56	0.50	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Thallium, dissolved	7440-28-0	<0.010	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Titanium, dissolved	7440-32-6	0.00179	0.00030	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Uranium, dissolved	7440-61-1	0.251	0.010	µg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Zirconium, dissolved	7440-67-7	0.00034	0.00020	mg/L	E421/EO	14-Jul-2026	14-Jul-2026	2708483
Dissolved metals filtration location	----	Laboratory	-	-	EP421/EO	-	14-Jul-2026	2708483
Aggregate Organics								
Naphthenic acids	----	<1.0	1.0	mg/L	E565/EO	14-Jul-2026	15-Jul-2026	2708290
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	14-Jul-2026	14-Jul-2026	2708250
F1-BTEX	----	<26	26	µg/L	EC580/EO	-	14-Jul-2026	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	15-Jul-2026	15-Jul-2026	2709772
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	15-Jul-2026	15-Jul-2026	2709772
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	15-Jul-2026	15-Jul-2026	2709772
Hydrocarbons, total (C6-C50)	n/a	<380	380	µg/L	EC581/EO	-	14-Jul-2026	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	109	1.0	%	E601/EO	15-Jul-2026	15-Jul-2026	2709772
Dichlorotoluene, 3,4-	95-75-0	120	1.0	%	E581.F1/EO	14-Jul-2026	14-Jul-2026	2708250
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	99.9	1.0	%	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Difluorobenzene, 1,4-	540-36-3	98.2	1.0	%	E611A/EO	14-Jul-2026	14-Jul-2026	2708249
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773



Analytical Results

FC2601617-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap-Table 1

Client sampling date / time: 13-Jul-2026 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Benzo(e)pyrene	192-97-2	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Indeno(1,2,3-cd)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Perylene	198-55-0	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	92.9	0.1	%	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Naphthalene-d8	1146-65-2	102	0.1	%	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Phenanthrene-d10	1517-22-2	98.2	0.1	%	E641A/EO	15-Jul-2026	15-Jul-2026	2709773
Disinfectant By-Products								
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	15-Jul-2026	15-Jul-2026	2710329
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	15-Jul-2026	15-Jul-2026	2710328

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



www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number:

Page 1 of 1

Report To

Company: Regional Municipality of Wood Buffalo (WTF)

Contact: Water Treatment Plant

Phone: 780-782-5863

Company address below will appear on the final report

Street: 1 Stijn Forest Road

City/Province: Fort McMurray AB.

Postal Code: T9H 5A1

Invoice To: Same as Report To

Copy of Invoice with Report

Company: RMWB

Contact: Accounts Payable (3909 Franklin Ave/Fort McMurray AB T9H 2K4)

ALS Account # / Quote #:

Job #:

PO / AFE:

LSD:

ALS Lab Work Order # (lab use only):

Sample Identification and/or Coordinates (lab use only)

Raw Water Chamber Tap-SC4

Raw Water Chamber Tap-Tabler

Please deliver on both

Please deliver on both

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Report Format / Distribution

Select Report Format: ☒ PDF ☒ EXCEL ☒ EDD (DIGITAL)

Quality Control (QC) Report with Report ☒ YES ☐ NO

Select Distribution: ☒ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: waterlab@rmwb.ca

Email 2: compliance@rmwb.ca

Email 3:

Invoice Distribution

Select Invoice Distribution: ☒ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: accounts.payable@rmwb.ca

Email 2: water.treatment@rmwb.ca

Email 3:

Oil and Gas Required Fields (client use)

AFECost Center:

Major/Minor Code:

Requisitioner:

Location:

ALS Contact:

Date

Time

Sample Type

Water

Water

Water

Water

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Water

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Select Service Level Below - Contact your AM to confirm all EAP TATs (surcharges may apply)

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

4 day [P4-20%] ☐

3 day [P3-25%] ☐

2 day [P2-50%] ☐

Emergency [E] ☐

1 Business day [E - 100%] ☐

Same Day, Weekend or Statutory holiday [E2 - 200%] ☐

(Laboratory opening fees may apply)

Date and Time Required for all EAP TATs:

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

Analysis Request

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

F1-F4 Hydrocarbons

Naphthenic Acid

PAH

BTEX/F1

Total Metals

Dissolved Metals

Total Sulphate

Total Sulphide

Routine Chemistry

Physical Chemistry

Salinity

Chlorate/chlorite

TOC/DOC

FC24-RMWB100-0005 FC SC4

SAMPLES ON HOLD

SUSPECTED HAZARD (see Special Instructions)

Drinking Water (DW) Samples (client use)

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

Are samples taken from a Regulated DW System?

Are samples for human consumption/ use?

SHIPMENT RELEASE (client use)

NAME: Graydon Stewart

DATE: 2026-07-13

TIME: 13:00

RECEIVED BY: [Signature]

DATE: 13 July 2026

TIME: 4:15

RECEIVED BY: [Signature]

DATE: 13 July 2026

TIME: 4:15

RECEIVED BY: [Signature]

DATE: 13 July 2026

TIME: 4:15

RECEIVED BY: [Signature]

DATE: 13 July 2026

TIME: 4:15



Environmental Division
Fort McMurray
Work Order Reference
FC2601617

Telephone: +1 780 791 1524

INITIAL COOLER TEMPERATURES °C

FINAL COOLER TEMPERATURES °C