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CERTIFICATE OF ANALYSIS

Work Order	: **FC2400092**	Page	: 1 of 17
Client	: **Regional Municipality of Wood Buffalo**	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Megan Trydal
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 - SC4 Imperial	Date Samples Received	: 10-Jan-2024 16:45
PO	: 4500051416	Date Analysis Commenced	: 11-Jan-2024
C-O-C number	: ----	Issue Date	: 24-Jan-2024 11:37
Sampler	: DF		
Site	: ----		
Quote number	: RMWB WTP SC4		
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.

Signatories	Position	Laboratory Department
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
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Greg Pokocky	Manager - Inorganics	Inorganics, Waterloo, Ontario
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Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Metals, Edmonton, Alberta
Stephanie Pinheiro	Analyst	LCMS, Waterloo, Ontario
Yan Zhang	Lab Analyst	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
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
CU	colour units (1 cu = 1 mg/l pt)
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units
psu	practical salinity units

<: 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*
PEHR	*Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.*
PNS	*Test performed on non-preserved sample*

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Physical Tests										
Alkalinity, bicarbonate (as CaCO3)	----	E290/EO	2.0	mg/L		----	34.4	----	----	----
Alkalinity, carbonate (as CaCO3)	----	E290/EO	2.0	mg/L		----	<2.0	----	----	----
Alkalinity, hydroxide (as CaCO3)	----	E290/EO	2.0	mg/L		----	<2.0	----	----	----
Alkalinity, phenolphthalein (as CaCO3)	----	E290/EO	2.0	mg/L		----	<2.0	----	----	----
Alkalinity, total (as CaCO3)	----	E290/EO	2.0	mg/L		54.7	34.4	----	----	----
Colour, true	----	E329/CG	5.0	CU		----	<5.0	----	----	----
Hardness (as CaCO3), dissolved	----	EC100/EO	0.50	mg/L		35.5	----	----	----	----
Hardness (as CaCO3), from total Ca/Mg	----	EC100A/EO	0.50	mg/L		----	34.9	----	----	----
Salinity	----	EC100S/VA	1.0	psu		<1.0	<1.0	----	----	----
Solids, total dissolved [TDS]	----	E162/EO	10	mg/L		----	58	----	----	----
Conductivity	----	E100/EO	2.0	µS/cm		150	82.7	----	----	----
pH	----	E108/EO	0.10	pH units		8.47	7.42	----	----	----
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/EO	1.0	mg/L		63.3	----	----	----	----
Alkalinity, carbonate (as CO3)	3812-32-6	E290/EO	1.0	mg/L		1.7	----	----	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/EO	1.0	mg/L		<1.0	----	----	----	----
Solids, total dissolved [TDS], calculated	----	EC103/EO	1.0	mg/L		89.0	----	----	----	----
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/EO	0.0050	mg/L		----	0.0152	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/EO	0.0050	mg/L		----	0.0520	----	----	----
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L		15.0	3.59	----	----	----
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L		0.021	0.060	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3/EO	0.020	mg/L		0.054	0.052	----	----	----
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		4.07	4.46	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/EO	0.0500	mg/L		0.0540	----	----	----	----
Cyanides										
Cyanide, strong acid dissociable (Total)	----	E333/WT	0.0020	mg/L		----	<0.0020	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Organic / Inorganic Carbon										
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L		----	4.93	----	----	----
Inorganics										
Chloramines, total (as Cl2)	----	EC326/EO	0.20	mg/L		----	<0.20	----	----	----
Chlorine, free	7782-50-5	E327/WT	0.050	mg/L		----	<0.050 PEHR	----	----	----
Chlorine, total	7782-50-5	E326/WT	0.050	mg/L		----	<0.050 PEHR	----	----	----
Chlorite	14998-27-7	E409.CLO2/WT	0.010	mg/L		----	<0.010	----	----	----
Total Sulfides										
Sulfide, total (as S)	18496-25-8	E395/VA	0.0015	mg/L		<0.0015	<0.0015	----	----	----
Sulfide, total (as H2S)	7783-06-4	E395/VA	0.0016	mg/L		<0.0016	<0.0016	----	----	----
Ion Balance										
Anion sum	----	EC101/EO	0.10	meq/L		1.60	----	----	----	----
Cation sum	----	EC101/EO	0.10	meq/L		1.52	----	----	----	----
Ion balance (APHA)	----	EC101/EO	0.01	%		-2.56	----	----	----	----
Ion balance (cations/anions)	----	EC101/EO	0.010	%		95.0	----	----	----	----
Total Metals										
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L		0.0192	0.138	----	----	----
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L		<0.00010	<0.00010	----	----	----
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L		0.00012	0.00025	----	----	----
Barium, total	7440-39-3	E420/EO	0.00010	mg/L		0.0185	0.0192	----	----	----
Beryllium, total	7440-41-7	E420/EO	0.000020	mg/L		<0.000020	<0.000020	----	----	----
Bismuth, total	7440-69-9	E420/EO	0.000050	mg/L		<0.000050	<0.000050	----	----	----
Boron, total	7440-42-8	E420/EO	0.010	mg/L		0.015	0.015	----	----	----
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L		<0.0050	<0.0050	----	----	----
Calcium, total	7440-70-2	E420/EO	0.050	mg/L		10.4	9.38	----	----	----
Cesium, total	7440-46-2	E420/EO	0.000010	mg/L		<0.000010	0.000018	----	----	----
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L		<0.00050	<0.00050	----	----	----
Cobalt, total	7440-48-4	E420/EO	0.00010	mg/L		<0.00010	<0.00010	----	----	----
Copper, total	7440-50-8	E420/EO	0.00050	mg/L		0.00052	0.00113	----	----	----

Analytical Results

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

					Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Total Metals										
Iron, total	7439-89-6	E420/EO	0.010	mg/L		<0.010	0.105	----	----	----
Lead, total	7439-92-1	E420/EO	0.000050	mg/L		<0.000050	<0.000050	----	----	----
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L		0.0029	0.0030	----	----	----
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L		2.75	2.79	----	----	----
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L		0.00136	0.00313	----	----	----
Mercury, total	7439-97-6	E508/EO	0.0050	µg/L		----	<0.0050	----	----	----
Molybdenum, total	7439-98-7	E420/EO	0.000050	mg/L		0.000198	0.000239	----	----	----
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L		<0.00050	<0.00050	----	----	----
Phosphorus, total	7723-14-0	E420/EO	0.050	mg/L		<0.050	<0.050	----	----	----
Potassium, total	7440-09-7	E420/EO	0.050	mg/L		0.906	0.941	----	----	----
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L		0.00089	0.00104	----	----	----
Selenium, total	7782-49-2	E420/EO	0.000050	mg/L		<0.000050	<0.000050	----	----	----
Silicon, total	7440-21-3	E420/EO	0.10	mg/L		2.02	2.42	----	----	----
Silver, total	7440-22-4	E420/EO	0.000010	mg/L		<0.000010	<0.000010	----	----	----
Sodium, total	7440-23-5	E420/EO	0.050	mg/L		17.8	3.20	----	----	----
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L		0.0689	0.0686	----	----	----
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L		1.21	1.33	----	----	----
Tellurium, total	13494-80-9	E420/EO	0.00020	mg/L		<0.00020	<0.00020	----	----	----
Thallium, total	7440-28-0	E420/EO	0.000010	mg/L		<0.000010	<0.000010	----	----	----
Thorium, total	7440-29-1	E420/EO	0.00010	mg/L		<0.00010	<0.00010	----	----	----
Tin, total	7440-31-5	E420/EO	0.00010	mg/L		<0.00010	<0.00010	----	----	----
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L		<0.00030	0.00374	----	----	----
Tungsten, total	7440-33-7	E420/EO	0.00010	mg/L		<0.00010	<0.00010	----	----	----
Uranium, total	7440-61-1	E420/EO	0.000010	mg/L		<0.000010	0.000070	----	----	----
Vanadium, total	7440-62-2	E420/EO	0.00050	mg/L		<0.00050	<0.00050	----	----	----
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L		<0.0030	<0.0030	----	----	----
Zirconium, total	7440-67-7	E420/EO	0.00020	mg/L		<0.00020	<0.00020	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L		0.0167	0.0081	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						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		0.00010	0.00020	----	----	----
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L		0.0184	0.0174	----	----	----
Beryllium, dissolved	7440-41-7	E421/EO	0.000020	mg/L		<0.000020	<0.000020	----	----	----
Bismuth, dissolved	7440-69-9	E421/EO	0.000050	mg/L		<0.000050	<0.000050	----	----	----
Boron, dissolved	7440-42-8	E421/EO	0.010	mg/L		0.014	0.013	----	----	----
Cadmium, dissolved	7440-43-9	E421/EO	0.0050	µg/L		<0.0050	<0.0050	----	----	----
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L		9.62	8.60	----	----	----
Cesium, dissolved	7440-46-2	E421/EO	0.000010	mg/L		<0.000010	<0.000010	----	----	----
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		0.00044	0.00091	----	----	----
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L		<0.010	0.014	----	----	----
Lead, dissolved	7439-92-1	E421/EO	0.000050	mg/L		<0.000050	<0.000050	----	----	----
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L		0.0027	0.0026	----	----	----
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L		2.79	2.77	----	----	----
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L		0.00068	0.00117	----	----	----
Molybdenum, dissolved	7439-98-7	E421/EO	0.000050	mg/L		0.000187	0.000227	----	----	----
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L		<0.00050	<0.00050	----	----	----
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L		<0.050	<0.050	----	----	----
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L		0.922	0.920	----	----	----
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L		0.00086	0.00093	----	----	----
Selenium, dissolved	7782-49-2	E421/EO	0.000050	mg/L		<0.000050	<0.000050	----	----	----
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L		2.04	2.19	----	----	----
Silver, dissolved	7440-22-4	E421/EO	0.000010	mg/L		<0.000010	<0.000010	----	----	----
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L		18.0	3.25	----	----	----
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L		0.0646	0.0620	----	----	----
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L		1.21	1.36	----	----	----
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L		<0.00020	<0.00020	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Dissolved Metals										
Thallium, dissolved	7440-28-0	E421/EO	0.000010	mg/L		<0.000010	<0.000010	----	----	----
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		<0.00030	0.00042	----	----	----
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L		<0.00010	<0.00010	----	----	----
Uranium, dissolved	7440-61-1	E421/EO	0.000010	mg/L		<0.000010	0.000060	----	----	----
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	0.00030	mg/L		<0.00030	<0.00030	----	----	----
Dissolved metals filtration location	----	EP421/EO	-	-		Laboratory	Laboratory	----	----	----
Aggregate Organics										
Naphthenic acids	----	E565-L/EO	0.10	mg/L		<0.10	<0.10	----	----	----
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	----	----	----
Bromobenzene	108-86-1	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Bromochloromethane	74-97-5	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Bromodichloromethane	75-27-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Bromoform	75-25-2	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Bromomethane	74-83-9	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Butylbenzene, n-	104-51-8	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Butylbenzene, sec-	135-98-8	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Butylbenzene, tert-	98-06-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
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	----	----	----
Chloroethane	75-00-3	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Chloroform	67-66-3	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Chloromethane	74-87-3	E611E/EO	5.0	µg/L		----	<5.0	----	----	----
Chlorotoluene, 2-	95-49-8	E611E/EO	1.0	µg/L		----	<1.0	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Volatile Organic Compounds										
Chlorotoluene, 4-	106-43-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Cymene, p-	99-87-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dibromo-3-chloropropane, 1,2-	96-12-8	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dibromochloromethane	124-48-1	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dibromoethane, 1,2-	106-93-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dibromomethane	74-95-3	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E611E/EO	0.50	µg/L		----	<0.50	----	----	----
Dichlorobenzene, 1,3-	541-73-1	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichlorodifluoromethane	75-71-8	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloroethane, 1,1-	75-34-3	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloroethane, 1,2-	107-06-2	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloroethylene, 1,1-	75-35-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloromethane	75-09-2	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloropropane, 1,2-	78-87-5	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloropropane, 1,3-	142-28-9	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloropropane, 2,2-	594-20-7	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloropropylene, 1,1-	563-58-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	E611E/EO	1.5	µg/L		----	<1.5	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	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	----	----	----
Hexachlorobutadiene	87-68-3	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Isopropylbenzene	98-82-8	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611E/EO	0.50	µg/L		----	<0.50	----	----	----
Propylbenzene, n-	103-65-1	E611E/EO	1.0	µg/L		----	<1.0	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Volatile Organic Compounds										
Styrene	100-42-5	E611E/EO	0.50	µg/L		----	<0.50	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Tetrachloroethylene	127-18-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Toluene	108-88-3	E611E/EO	0.50	µg/L		----	<0.50	----	----	----
Trichlorobenzene, 1,2,3-	87-61-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trichlorobenzene, 1,2,4-	120-82-1	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trichloroethane, 1,1,1-	71-55-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trichloroethane, 1,1,2-	79-00-5	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trichloroethylene	79-01-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trichlorofluoromethane	75-69-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trichloropropane, 1,2,3-	96-18-4	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trimethylbenzene, 1,2,4-	95-63-6	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trimethylbenzene, 1,3,5-	108-67-8	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	----	----	----
BTEX, total	----	E611E/EO	1.0	µg/L		----	<1.0	----	----	----
Trihalomethanes [THMs], total	----	E611E/EO	2.0	µg/L		----	<2.0	----	----	----
Volatile Organic Compounds [Fuels]										
BTEX+Styrene, total	n/a	E611A/EO	1.5	µg/L		<1.5	<1.5	----	----	----
Hydrocarbons										
F1 (C6-C10)	----	E581.F1/EO	100	µg/L		<100	<100	----	----	----
F1-BTEX	----	EC580/EO	100	µg/L		<100	<100	----	----	----
F2 (C10-C16)	----	E601/EO	100	µg/L		<100	<100	----	----	----
F3 (C16-C34)	----	E601/EO	250	µg/L		<250	<250	----	----	----
F4 (C34-C50)	----	E601/EO	250	µg/L		<250	<250	----	----	----
TEH (C10-C50)	n/a	E601/EO	400	µg/L		<400	<400	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Hydrocarbons										
TEH (C16-C50)	----	E601/EO	400	µg/L		<400	<400	----	----	----
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601/EO	1.0	%		107	107	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%		71.4	125	----	----	----
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%		79.4	87.2	----	----	----
Bromofluorobenzene, 4-	460-00-4	E611I/WT	1.0	%		----	92.9	----	----	----
Bromofluorobenzene, 4-	460-00-4	E611E/EO	1.0	%		----	87.2	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%		92.7	97.8	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611I/WT	1.0	%		----	98.5	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611E/EO	1.0	%		----	97.8	----	----	----
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Acenaphthylene	208-96-8	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Acridine	260-94-6	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Anthracene	120-12-7	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Benz(a)anthracene	56-55-3	E641A/EO	0.010	µg/L		<0.010	<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	<0.010	----	----	----
Benzo(b+j)fluoranthene	n/a	E655B/WT	0.20	µg/L		----	<0.20	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A/EO	0.015	µg/L		<0.015	<0.015	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Chrysene	218-01-9	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/EO	0.0050	µg/L		<0.0050	<0.0050	----	----	----
Dibenzofuran	132-64-9	E655B/WT	0.20	µg/L		----	<0.20	----	----	----
Fluoranthene	206-44-0	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Fluorene	86-73-7	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Methylnaphthalene, 1+2-	----	E641A/EO	0.015	µg/L		<0.015	<0.015	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Naphthalene	91-20-3	E641A/EO	0.050	µg/L		<0.050	<0.050	----	----	----
Perylene	198-55-0	E655B/WT	0.20	µg/L		----	<0.20	----	----	----
Phenanthrene	85-01-8	E641A/EO	0.020	µg/L		<0.020	<0.020	----	----	----
Pyrene	129-00-0	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
Quinoline	91-22-5	E641A/EO	0.050	µg/L		<0.050	<0.050	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A/EO	0.010	µg/L		<0.010	<0.010	----	----	----
PAHs, high molecular weight (BC AWQ)	n/a	E641A/EO	0.030	µg/L		<0.030	<0.030	----	----	----
PAHs, low molecular weight (BC AWQ)	n/a	E641A/EO	0.060	µg/L		<0.060	<0.060	----	----	----
PAHs, total (CCME sewer 18)	n/a	E641A/EO	0.070	µg/L		<0.070	<0.070	----	----	----
PAHs, total (EPA 16)	n/a	E641A/EO	0.065	µg/L		<0.065	<0.065	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/EO	0.1	%		112	107	----	----	----
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%		92.6	91.6	----	----	----
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%		117	114	----	----	----
Disinfectant By-Products										
Bromate	15541-45-4	E722A/WT	0.00030	mg/L		----	<0.00030	----	----	----
Chlorate	14866-68-3	E409.CLO3/WT	0.010	mg/L		----	<0.010	----	----	----
Phthalate Esters										
Diethyl phthalate	84-66-2	E655B/WT	0.20	µg/L		----	<0.20	----	----	----
Dimethyl phthalate	131-11-3	E655B/WT	0.20	µg/L		----	<0.20	----	----	----
Di-n-butyl phthalate	84-74-2	E655B/WT	1.0	µg/L		----	<1.0	----	----	----
Di-n-octyl phthalate [DNOP]	117-84-0	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Semi-Volatile Organics										
Biphenyl	92-52-4	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E655B/WT	0.40	µg/L		----	<0.40	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Semi-Volatile Organics										
Dichlorobenzene, 1,3-	541-73-1	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Dichlorobenzidine, 3,3'-	91-94-1	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Dinitrotoluene, 2,4-	121-14-2	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Dinitrotoluene, 2,6-	606-20-2	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Diphenyl ether	101-84-8	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Hexachlorobenzene	118-74-1	E655B/WT	0.040	µg/L		----	<0.040	----	----	----
Hexachlorobutadiene	87-68-3	E655B/WT	0.20	µg/L		----	<0.20	----	----	----
Hexachlorocyclopentadiene	77-47-4	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Hexachloroethane	67-72-1	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Trichlorobenzene, 1,2,3-	87-61-6	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Trichlorobenzene, 1,2,4-	120-82-1	E655B/WT	0.40	µg/L		----	<0.40	----	----	----
Dinitrotoluene, 2,4 + 2,6-	n/a	E655B/WT	0.60	µg/L		----	<0.60	----	----	----
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E655B/WT	1.0	%		----	81.7	----	----	----
Nitrobenzene-d5	4165-60-0	E655B/WT	1.0	%		----	84.0	----	----	----
Terphenyl-d14, p-	1718-51-0	E655B/WT	1.0	%		----	76.6	----	----	----
Per- and Perfluoroalkyl Substances (PFAS)										
Perfluorooctanesulfonic acid [PFOS]	1763-23-1	E745B/WT	0.010	µg/L		----	<0.010	----	----	----
Perfluorooctanoic acid [PFOA]	335-67-1	E745B/WT	0.010	µg/L		----	<0.010	----	----	----
Per- and Perfluoroalkyl Substances (PFAS) Surrogates										
Perfluorooctanesulfonic acid [13C8-PFOS]	265893-05-6	E745B/WT	1.00	%		----	72.4	----	----	----
Chlorinated Phenolics										
Dichlorophenol, 2,4-	120-83-2	E655B/WT	0.30	µg/L		----	<0.30	----	----	----
Dichlorophenol, 2,4-	120-83-2	E651D/WT	0.30	µg/L		----	<0.30	----	----	----
Dichlorophenol, 2,6-	87-65-0	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Pentachlorophenol [PCP]	87-86-5	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Pentachlorophenol [PCP]	87-86-5	E651D/WT	0.50	µg/L		----	<0.50	----	----	----
Tetrachlorophenol, 2,3,4,5-	4901-51-3	E655B/WT	0.50	µg/L		----	<0.50	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Chlorinated Phenolics										
Tetrachlorophenol, 2,3,4,6-	58-90-2	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Tetrachlorophenol, 2,3,4,6-	58-90-2	E651D/WT	0.50	µg/L		----	<0.50	----	----	----
Tetrachlorophenol, 2,3,5,6-	935-95-5	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Trichlorophenol, 2,3,4-	15950-66-0	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Trichlorophenol, 2,3,5-	933-78-8	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Trichlorophenol, 2,4,5-	95-95-4	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Trichlorophenol, 2,4,6-	88-06-2	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Trichlorophenol, 2,4,6-	88-06-2	E651D/WT	0.50	µg/L		----	<0.50	----	----	----
Non-Chlorinated Phenolics										
Dimethylphenol, 2,4-	105-67-9	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Dinitrophenol, 2,4-	51-28-5	E655B/WT	1.0	µg/L		----	<1.0	----	----	----
Phenol	108-95-2	E655B/WT	0.50	µg/L		----	<0.50	----	----	----
Phenol, 2-methyl-4,6-dinitro- [DNOC]	534-52-1	E655B/WT	2.0	µg/L		----	<2.0	----	----	----
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E655B/WT	0.50	%		----	100	----	----	----
Tribromophenol, 2,4,6-	118-79-6	E651D/WT	1.0	%		----	100	----	----	----
Organochlorine Pesticides										
Aldrin	309-00-2	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
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	----	----	----
DDE, total	----	E660F/WT	0.0060	µg/L		----	<0.0060	----	----	----
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	----	----	----

Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Organochlorine Pesticides										
DDT, total	----	E660F/WT	0.0060	µg/L		----	<0.0060	----	----	----
Dieldrin	60-57-1	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Endosulfan sulfate	1031-07-8	E660F/WT	0.0070	µg/L		----	<0.0070	----	----	----
Endosulfan, alpha-	959-98-8	E660F/WT	0.0070	µg/L		----	<0.0070	----	----	----
Endosulfan, beta-	33213-65-9	E660F/WT	0.0070	µg/L		----	<0.0070	----	----	----
Endosulfan, total	----	E660F/WT	0.010	µg/L		----	<0.010	----	----	----
Endrin	72-20-8	E660F/WT	0.010	µg/L		----	<0.010	----	----	----
Endrin aldehyde	7421-93-4	E660F/WT	0.010	µg/L		----	<0.010	----	----	----
Heptachlor	76-44-8	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Heptachlor epoxide	1024-57-3	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorobenzene	118-74-1	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorobutadiene	87-68-3	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorocyclohexane, alpha-	319-84-6	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorocyclohexane, beta-	319-85-7	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorocyclohexane, delta-	319-86-8	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorocyclohexane, gamma-	58-89-9	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Hexachlorocyclohexane, total	608-73-1	E660F/WT	0.016	µg/L		----	<0.016	----	----	----
Hexachloroethane	67-72-1	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Methoxychlor	72-43-5	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Mirex	2385-85-5	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Nonachlor, trans-	39765-80-5	E660F/WT	0.010	µg/L		----	<0.010	----	----	----
Oxychlordane	27304-13-8	E660F/WT	0.0080	µg/L		----	<0.0080	----	----	----
Pentachloronitrobenzene	82-68-8	E660F/WT	0.010	µg/L		----	<0.010	----	----	----
Aldrin + Dieldrin	----	E660F/WT	0.011	µg/L		----	<0.011	----	----	----
DDT + metabolites, total	----	E660F/WT	0.010	µg/L		----	<0.010	----	----	----
Heptachlor + Heptachlor epoxide	n/a	E660F/WT	0.011	µg/L		----	<0.011	----	----	----
Organochlorine Pesticides Surrogates										
Decachlorobiphenyl	2051-24-3	E660F/WT	0.10	%		----	115	----	----	----
Tetrachloro-m-xylene	877-09-8	E660F/WT	0.10	%		----	111	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Herbicides										
Alachlor	15972-60-8	E755/WT	0.050	µg/L		----	<0.050 PNS	----	----	----
AMPA	74341-63-2	E716A/WT	0.50	µg/L		----	<0.50	----	----	----
Atrazine	1912-24-9	E755/WT	0.050	µg/L		----	<0.050 PNS	----	----	----
Atrazine + N-dealkylated metabolites	----	E755/WT	0.10	µg/L		----	<0.10 PNS	----	----	----
Atrazine-desethyl	6190-65-4	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Cyanazine	21725-46-2	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Diclofop-methyl	51338-27-3	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Dinoseb	88-85-7	E706A/WT	0.050	µg/L		----	<0.050	----	----	----
Diuron	330-54-1	E755/WT	0.050	µg/L		----	<0.050 PNS	----	----	----
Glyphosate	1071-83-6	E716A/WT	0.20	µg/L		----	<0.20	----	----	----
Metolachlor	51218-45-2	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Metribuzin	21087-64-9	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Prometryn	7287-19-6	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Simazine	122-34-9	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Triallate	2303-17-5	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Trifluralin	1582-09-8	E756/WT	0.10	µg/L		----	<0.10 PNS	----	----	----
Herbicides Surrogates										
Dichlorophenylacetic acid, 2,4-	19719-28-9	E706A/WT	1.0	%		----	85.0	----	----	----
Insecticides										
Aldicarb	116-06-3	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Azinphos-methyl	86-50-0	E755/WT	0.100	µg/L		----	<0.100 PNS	----	----	----
Bendiocarb	22781-23-3	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Carbaryl	63-25-2	E755/WT	0.050	µg/L		----	<0.050 PNS	----	----	----
Carbofuran	1563-66-2	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Chlorpyrifos	2921-88-2	E756/WT	0.10	µg/L		----	<0.10 PNS	----	----	----
Diazinon	333-41-5	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Dimethoate	60-51-5	E755/WT	0.050	µg/L		----	<0.050 PNS	----	----	----
Malathion	121-75-5	E755/WT	0.0250	µg/L		----	<0.0250 PNS	----	----	----
Parathion	56-38-2	E756/WT	0.10	µg/L		----	<0.10 PNS	----	----	----

Analytical Results

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

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	Fort Chipewyan - Treated Water Lab Sink	Fort Chip - Raw Water Chamber	----	----	----
					Client sampling date / time	10-Jan-2024 09:45	10-Jan-2024 09:30	----	----	----
						FC2400092-001	FC2400092-002	--------	--------	--------
						Result	Result	----	----	----
Insecticides										
Phorate	298-02-2	E755/WT	0.250	µg/L		----	<0.250 PNS	----	----	----
Temephos	3383-96-8	E755/WT	0.250	µg/L		----	<0.250 PNS	----	----	----
Terbufos	13071-79-9	E755/WT	0.50	µg/L		----	<0.50 PNS	----	----	----
Pesticides										
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	E706A/WT	0.050	µg/L		----	<0.050	----	----	----
Bromoxynil	1689-84-5	E706A/WT	0.050	µg/L		----	<0.050	----	----	----
Dicamba	1918-00-9	E706A/WT	0.10	µg/L		----	<0.10	----	----	----
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	E706A/WT	0.050	µg/L		----	<0.050	----	----	----
Diquat (ion)	2764-72-9	E723A/WT	1.0	µg/L		----	<1.0	----	----	----
Paraquat (as dichloride)	1910-42-5	E723A/WT	1.0	µg/L		----	<1.0	----	----	----
Picloram	1918-02-1	E706A/WT	0.10	µg/L		----	<0.10	----	----	----
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	E706A/WT	0.050	µg/L		----	<0.050	----	----	----
Nitrosamines										
Nitrosodimethylamine, N- [NDMA]	62-75-9	E725A/WT	0.034	µg/L		----	<0.034	----	----	----
Nitrosamines Surrogates										
Nitrosodimethylamine-d6, N-	17829-05-9	E725A/WT	0.10	%		----	101	----	----	----

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

Please refer to the Accreditation section for an explanation of analyte accreditations.

CERTIFICATE OF ANALYSIS

Work Order	: **FC2400092**	Page	: 1 of 15
Client	: **Regional Municipality of Wood Buffalo**	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Megan Trydal
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 - SC4 Imperial	Date Samples Received	: 10-Jan-2024 16:45
PO	: 4500051416	Date Analysis Commenced	: 11-Jan-2024
C-O-C number	: ----	Issue Date	: 24-Jan-2024 11:36
Sampler	: DF		
Site	: ----		
Quote number	: RMWB WTP SC4		
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.

Signatories	*Position*	*Laboratory Department*
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
Daniel Nguyen	Lab Assistant	Metals, Edmonton, Alberta
Greg Pokocky	Manager - Inorganics	Inorganics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Jing Liu	Lab Assistant	Inorganics, Edmonton, Alberta
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Kelly Fischer	Technical Specialist	Inorganics, Waterloo, Ontario
Kim Jensen	Department Manager - Metals	Inorganics, Burnaby, British Columbia
Logan Carroll	Laboratory Analyst	Inorganics, Edmonton, Alberta
Ruifang Zheng	Analyst	Inorganics, Calgary, Alberta
Sanja Risticevic	Department Manager - 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
Stephanie Pinheiro	Analyst	LCMS, Waterloo, Ontario
Yan Zhang	Lab Analyst	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)
meq/L	milliequivalents per litre
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*
PEHR	*Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.*
PNS	*Test performed on non-preserved sample*

Analytical Results

FC2400092-001

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

Client sample ID: Fort Chipewyan - Treated Water Lab Sink
Client sampling date / time: 10-Jan-2024 09:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Hardness (as CaCO3), dissolved	----	35.5	0.50	mg/L	EC100/EO	-	11-Jan-2024	-
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	16-Jan-2024	-
Conductivity	----	150	2.0	µS/cm	E100/EO	11-Jan-2024	11-Jan-2024	1300136
pH	----	8.47	0.10	pH units	E108/EO	11-Jan-2024	11-Jan-2024	1300135
Alkalinity, bicarbonate (as HCO3)	71-52-3	63.3	1.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, carbonate (as CO3)	3812-32-6	1.7	1.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, total (as CaCO3)	----	54.7	2.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Solids, total dissolved [TDS], calculated	----	89.0	1.0	mg/L	EC103/EO	-	11-Jan-2024	-
Anions and Nutrients								
Chloride	16887-00-6	15.0	0.50	mg/L	E235.Cl/EO	11-Jan-2024	11-Jan-2024	1300553
Fluoride	16984-48-8	0.021	0.020	mg/L	E235.F/EO	11-Jan-2024	11-Jan-2024	1300556
Nitrate (as N)	14797-55-8	0.054	0.020	mg/L	E235.NO3/EO	11-Jan-2024	11-Jan-2024	1300557
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	11-Jan-2024	11-Jan-2024	1300559
Sulfate (as SO4)	14808-79-8	4.07	0.30	mg/L	E235.SO4/EO	11-Jan-2024	11-Jan-2024	1300558
Nitrate + Nitrite (as N)	----	0.0540	0.05	mg/L	EC235.N+N/EO	-	12-Jan-2024	-
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	16-Jan-2024	1303915
Sulfide, total (as H2S)	7783-06-4	<0.0016	0.0016	mg/L	E395/VA	-	16-Jan-2024	1303915
Ion Balance								
Anion sum	----	1.60	0.10	meq/L	EC101/EO	-	11-Jan-2024	-
Cation sum	----	1.52	0.10	meq/L	EC101/EO	-	11-Jan-2024	-
Ion balance (APHA)	----	-2.56	0.01	%	EC101/EO	-	11-Jan-2024	-
Ion balance (cations/anions)	----	95.0	0.010	%	EC101/EO	-	11-Jan-2024	-
Total Metals								
Aluminum, total	7429-90-5	0.0192	0.0030	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Arsenic, total	7440-38-2	0.00012	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Barium, total	7440-39-3	0.0185	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Boron, total	7440-42-8	0.015	0.010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Calcium, total	7440-70-2	10.4	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Copper, total	7440-50-8	0.00052	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Lithium, total	7439-93-2	0.0029	0.0010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Magnesium, total	7439-95-4	2.75	0.0050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Manganese, total	7439-96-5	0.00136	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Molybdenum, total	7439-98-7	0.000198	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162

Analytical Results

FC2400092-001

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

Client sample ID: Fort Chipewyan - Treated Water Lab Sink
Client sampling date / time: 10-Jan-2024 09:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Potassium, total	7440-09-7	0.906	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Rubidium, total	7440-17-7	0.00089	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Silicon, total	7440-21-3	2.02	0.10	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Sodium, total	7440-23-5	17.8	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Strontium, total	7440-24-6	0.0689	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Sulfur, total	7704-34-9	1.21	0.50	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0167	0.0010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Arsenic, dissolved	7440-38-2	0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Barium, dissolved	7440-39-3	0.0184	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Boron, dissolved	7440-42-8	0.014	0.010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Calcium, dissolved	7440-70-2	9.62	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Copper, dissolved	7440-50-8	0.00044	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Lithium, dissolved	7439-93-2	0.0027	0.0010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Magnesium, dissolved	7439-95-4	2.79	0.0050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Manganese, dissolved	7439-96-5	0.00068	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Molybdenum, dissolved	7439-98-7	0.000187	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Potassium, dissolved	7440-09-7	0.922	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Rubidium, dissolved	7440-17-7	0.00086	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Silicon, dissolved	7440-21-3	2.04	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082

Analytical Results

FC2400092-001

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

Client sample ID: Fort Chipewyan - Treated Water Lab Sink
Client sampling date / time: 10-Jan-2024 09:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Sodium, dissolved	7440-23-5	18.0	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Strontium, dissolved	7440-24-6	0.0646	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Sulfur, dissolved	7704-34-9	1.21	0.50	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Dissolved metals filtration location	----	Laboratory	-	-	EP421/EO	-	11-Jan-2024	1300082
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	15-Jan-2024	17-Jan-2024	1302249
Volatile Organic Compounds [Fuels]								
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	11-Jan-2024	11-Jan-2024	1300169
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	11-Jan-2024	11-Jan-2024	1300170
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	12-Jan-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	107	1.0	%	E601/EO	12-Jan-2024	12-Jan-2024	1300879
Dichlorotoluene, 3,4-	95-75-0	71.4	1.0	%	E581.F1/EO	11-Jan-2024	11-Jan-2024	1300170
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	79.4	1.0	%	E611A/EO	11-Jan-2024	11-Jan-2024	1300169
Difluorobenzene, 1,4-	540-36-3	92.7	1.0	%	E611A/EO	11-Jan-2024	11-Jan-2024	1300169
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881

Analytical Results

FC2400092-001

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

Client sample ID: Fort Chipewyan - Treated Water Lab Sink

Client sampling date / time: 10-Jan-2024 09:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	112	0.1	%	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Naphthalene-d8	1146-65-2	92.6	0.1	%	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Phenanthrene-d10	1517-22-2	117	0.1	%	E641A/EO	12-Jan-2024	12-Jan-2024	1300881

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

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber

Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as CaCO3)	----	34.4	2.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, carbonate (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, hydroxide (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, phenolphthalein (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Alkalinity, total (as CaCO3)	----	34.4	2.0	mg/L	E290/EO	11-Jan-2024	11-Jan-2024	1300137
Colour, true	----	<5.0	5.0	CU	E329/CG	12-Jan-2024	12-Jan-2024	1301068
Conductivity	----	82.7	2.0	µS/cm	E100/EO	11-Jan-2024	11-Jan-2024	1300136
Hardness (as CaCO3), from total Ca/Mg	----	34.9	0.50	mg/L	EC100A/EO	-	11-Jan-2024	-
pH	----	7.42	0.10	pH units	E108/EO	11-Jan-2024	11-Jan-2024	1300135
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	16-Jan-2024	-
Solids, total dissolved [TDS]	----	58	20	mg/L	E162/EO	-	16-Jan-2024	1302691
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	0.0152	0.0050	mg/L	E298/EO	11-Jan-2024	11-Jan-2024	1300432
Chloride	16887-00-6	3.59	0.50	mg/L	E235.Cl/EO	11-Jan-2024	11-Jan-2024	1300553

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Anions and Nutrients								
Fluoride	16984-48-8	0.060	0.020	mg/L	E235.F/EO	11-Jan-2024	11-Jan-2024	1300556
Nitrate (as N)	14797-55-8	0.052	0.020	mg/L	E235.NO3/EO	11-Jan-2024	11-Jan-2024	1300557
Nitrate + Nitrite (as N)	----	0.0520	0.0224	mg/L	EC235.N+N/EO	-	12-Jan-2024	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	11-Jan-2024	11-Jan-2024	1300559
Sulfate (as SO4)	14808-79-8	4.46	0.30	mg/L	E235.SO4/EO	11-Jan-2024	11-Jan-2024	1300558
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0020	0.0020	mg/L	E333/WT	15-Jan-2024	17-Jan-2024	1302603
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	4.93	0.50	mg/L	E355-L/EO	14-Jan-2024	15-Jan-2024	1302462
Inorganics								
Chloramines, total (as Cl2)	----	<0.20	0.20	mg/L	EC326/EO	-	16-Jan-2024	-
Chlorine, free	7782-50-5	<0.050 PEHR,	0.050	mg/L	E327/WT	-	16-Jan-2024	1303380
Chlorine, total	7782-50-5	<0.050 PEHR,	0.050	mg/L	E326/WT	-	16-Jan-2024	1303379
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	16-Jan-2024	16-Jan-2024	1303744
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	16-Jan-2024	1303915
Sulfide, total (as H2S)	7783-06-4	<0.0016	0.0016	mg/L	E395/VA	-	16-Jan-2024	1303915
Total Metals								
Aluminum, total	7429-90-5	0.138	0.0030	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Arsenic, total	7440-38-2	0.00025	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Barium, total	7440-39-3	0.0192	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Boron, total	7440-42-8	0.015	0.010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Calcium, total	7440-70-2	9.38	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Cesium, total	7440-46-2	0.000018	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Copper, total	7440-50-8	0.00113	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Iron, total	7439-89-6	0.105	0.010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Lithium, total	7439-93-2	0.0030	0.0010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Magnesium, total	7439-95-4	2.79	0.0050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Manganese, total	7439-96-5	0.00313	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Mercury, total	7439-97-6	<0.0050	0.0050	µg/L	E508/EO	12-Jan-2024	12-Jan-2024	1300910
Molybdenum, total	7439-98-7	0.000239	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Potassium, total	7440-09-7	0.941	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Rubidium, total	7440-17-7	0.00104	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Silicon, total	7440-21-3	2.42	0.10	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Sodium, total	7440-23-5	3.20	0.050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Strontium, total	7440-24-6	0.0686	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Sulfur, total	7704-34-9	1.33	0.50	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Titanium, total	7440-32-6	0.00374	0.00030	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Uranium, total	7440-61-1	0.000070	0.000010	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	11-Jan-2024	11-Jan-2024	1300162
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0081	0.0010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Arsenic, dissolved	7440-38-2	0.00020	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Barium, dissolved	7440-39-3	0.0174	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Boron, dissolved	7440-42-8	0.013	0.010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Calcium, dissolved	7440-70-2	8.60	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Copper, dissolved	7440-50-8	0.00091	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Iron, dissolved	7439-89-6	0.014	0.010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Lithium, dissolved	7439-93-2	0.0026	0.0010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Magnesium, dissolved	7439-95-4	2.77	0.0050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Manganese, dissolved	7439-96-5	0.00117	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Molybdenum, dissolved	7439-98-7	0.000227	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Potassium, dissolved	7440-09-7	0.920	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Rubidium, dissolved	7440-17-7	0.00093	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Silicon, dissolved	7440-21-3	2.19	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Sodium, dissolved	7440-23-5	3.25	0.050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Strontium, dissolved	7440-24-6	0.0620	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Sulfur, dissolved	7704-34-9	1.36	0.50	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Titanium, dissolved	7440-32-6	0.00042	0.00030	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Uranium, dissolved	7440-61-1	0.000060	0.000010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	11-Jan-2024	11-Jan-2024	1300082
Dissolved metals filtration location	----	Laboratory	-	-	EP421/EO	-	11-Jan-2024	1300082
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	15-Jan-2024	17-Jan-2024	1302249
Nitrilotriacetic acid [NTA]	139-13-9	<0.40	0.40	mg/L	E394/WT	-	17-Jan-2024	1304785
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Bromobenzene	108-86-1	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Bromochloromethane	74-97-5	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Bromodichloromethane	75-27-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Bromoform	75-25-2	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Bromomethane	74-83-9	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Butylbenzene, n-	104-51-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Butylbenzene, sec-	135-98-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Butylbenzene, tert-	98-06-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Chloroethane	75-00-3	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Chloroform	67-66-3	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Chloromethane	74-87-3	<5.0	5.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Chlorotoluene, 2-	95-49-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Chlorotoluene, 4-	106-43-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Cymene, p-	99-87-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dibromo-3-chloropropane, 1,2-	96-12-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dibromochloromethane	124-48-1	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dibromoethane, 1,2-	106-93-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dibromomethane	74-95-3	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichlorobenzene, 1,3-	541-73-1	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichlorodifluoromethane	75-71-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloroethane, 1,1-	75-34-3	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloroethylene, 1,1-	75-35-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloroethylene, cis-1,2-	156-59-2	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloroethylene, trans-1,2-	156-60-5	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloropropane, 1,2-	78-87-5	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds								
Dichloropropane, 1,3-	142-28-9	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloropropane, 2,2-	594-20-7	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloropropylene, 1,1-	563-58-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloropropylene, cis+trans-1,3-	542-75-6	<1.5	1.5	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloropropylene, cis-1,3-	10061-01-5	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dichloropropylene, trans-1,3-	10061-02-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	16-Jan-2024	16-Jan-2024	1303436
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Hexachlorobutadiene	87-68-3	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Isopropylbenzene	98-82-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Propylbenzene, n-	103-65-1	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Styrene	100-42-5	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Tetrachloroethane, 1,1,1,2-	630-20-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Tetrachloroethane, 1,1,2,2-	79-34-5	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichlorobenzene, 1,2,3-	87-61-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichlorobenzene, 1,2,4-	120-82-1	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichloroethane, 1,1,1-	71-55-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichloroethane, 1,1,2-	79-00-5	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichlorofluoromethane	75-69-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trichloropropane, 1,2,3-	96-18-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trimethylbenzene, 1,2,4-	95-63-6	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trimethylbenzene, 1,3,5-	108-67-8	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
BTEX, total	----	<1.0	1.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Trihalomethanes [THMs], total	----	<2.0	2.0	µg/L	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Volatile Organic Compounds [Fuels]								
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	12-Jan-2024	12-Jan-2024	1301448
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	12-Jan-2024	12-Jan-2024	1301449
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	16-Jan-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	12-Jan-2024	12-Jan-2024	1300879
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	107	1.0	%	E601/EO	12-Jan-2024	12-Jan-2024	1300879
Dichlorotoluene, 3,4-	95-75-0	125	1.0	%	E581.F1/EO	12-Jan-2024	12-Jan-2024	1301449

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	87.2	1.0	%	E611A/EO	12-Jan-2024	12-Jan-2024	1301448
Bromofluorobenzene, 4-	460-00-4	87.2	1.0	%	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Bromofluorobenzene, 4-	460-00-4	92.9	1.0	%	E611I/WT	16-Jan-2024	16-Jan-2024	1303436
Difluorobenzene, 1,4-	540-36-3	97.8	1.0	%	E611A/EO	12-Jan-2024	12-Jan-2024	1301448
Difluorobenzene, 1,4-	540-36-3	97.8	1.0	%	E611E/EO	12-Jan-2024	12-Jan-2024	1301450
Difluorobenzene, 1,4-	540-36-3	98.5	1.0	%	E611I/WT	16-Jan-2024	16-Jan-2024	1303436
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(b+j)fluoranthene	n/a	<0.20	0.20	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Dibenzofuran	132-64-9	<0.20	0.20	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Perylene	198-55-0	<0.20	0.20	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	107	0.1	%	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Naphthalene-d8	1146-65-2	91.6	0.1	%	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
Phenanthrene-d10	1517-22-2	114	0.1	%	E641A/EO	12-Jan-2024	12-Jan-2024	1300881
DIsinfectant By-Products								
Bromate	15541-45-4	<0.00030	0.00030	mg/L	E722A/WT	12-Jan-2024	12-Jan-2024	1301054
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	16-Jan-2024	16-Jan-2024	1303743
Phthalate Esters								

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Phthalate Esters								
Diethyl phthalate	84-66-2	<0.20	0.20	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dimethyl phthalate	131-11-3	<0.20	0.20	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Di-n-butyl phthalate	84-74-2	<1.0	1.0	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Di-n-octyl phthalate [DNOP]	117-84-0	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Semi-Volatile Organics								
Biphenyl	92-52-4	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dichlorobenzene, 1,2-	95-50-1	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dichlorobenzene, 1,3-	541-73-1	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dichlorobenzene, 1,4-	106-46-7	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dichlorobenzidine, 3,3'-	91-94-1	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dinitrotoluene, 2,4-	121-14-2	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dinitrotoluene, 2,6-	606-20-2	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Diphenyl ether	101-84-8	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Hexachlorobenzene	118-74-1	<0.040	0.040	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Hexachlorobutadiene	87-68-3	<0.20	0.20	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Hexachlorocyclopentadiene	77-47-4	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Hexachloroethane	67-72-1	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Trichlorobenzene, 1,2,3-	87-61-6	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Trichlorobenzene, 1,2,4-	120-82-1	<0.40	0.40	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dinitrotoluene, 2,4 + 2,6-	n/a	<0.60	0.6	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	81.7	1.0	%	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Nitrobenzene-d5	4165-60-0	84.0	1.0	%	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Terphenyl-d14, p-	1718-51-0	76.6	1.0	%	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Per- and Perfluoroalkyl Substances (PFAS)								
Perfluorooctanesulfonic acid [PFOS]	1763-23-1	<0.010	0.010	µg/L	E745B/WT	12-Jan-2024	15-Jan-2024	1301356
Perfluorooctanoic acid [PFOA]	335-67-1	<0.010	0.010	µg/L	E745B/WT	12-Jan-2024	15-Jan-2024	1301356
Per- and Perfluoroalkyl Substances (PFAS) Surrogates								
Perfluorooctanesulfonic acid [13C8-PFOS]	2265893-05-6	72.4	1.00	%	E745B/WT	12-Jan-2024	15-Jan-2024	1301356
Chlorinated Phenolics								
Dichlorophenol, 2,4-	120-83-2	<0.30	0.30	µg/L	E651D/WT	15-Jan-2024	23-Jan-2024	1307161
Dichlorophenol, 2,4-	120-83-2	<0.30	0.30	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dichlorophenol, 2,6-	87-65-0	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E651D/WT	15-Jan-2024	23-Jan-2024	1307161
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Tetrachlorophenol, 2,3,4,5-	4901-51-3	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E651D/WT	15-Jan-2024	23-Jan-2024	1307161
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Tetrachlorophenol, 2,3,5,6-	935-95-5	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Trichlorophenol, 2,3,4-	15950-66-0	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Trichlorophenol, 2,3,5-	933-78-8	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Trichlorophenol, 2,4,5-	95-95-4	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Trichlorophenol, 2,4,6-	88-06-2	<0.50	0.50	µg/L	E651D/WT	15-Jan-2024	23-Jan-2024	1307161
Trichlorophenol, 2,4,6-	88-06-2	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Non-Chlorinated Phenolics								

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Non-Chlorinated Phenolics								
Dimethylphenol, 2,4-	105-67-9	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Dinitrophenol, 2,4-	51-28-5	<1.0	1.0	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Phenol	108-95-2	<0.50	0.50	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Phenol, 2-methyl-4,6-dinitro- [DNOC]	534-52-1	<2.0	2.0	µg/L	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	100	1.0	%	E651D/WT	15-Jan-2024	23-Jan-2024	1307161
Tribromophenol, 2,4,6-	118-79-6	100	0.50	%	E655B/WT	15-Jan-2024	17-Jan-2024	1302576
Organochlorine Pesticides								
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDD, total	----	<0.0060	0.006	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDE, total	----	<0.0060	0.006	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDT, total	----	<0.0060	0.006	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Endosulfan sulfate	1031-07-8	<0.0070	0.0070	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Endosulfan, alpha-	959-98-8	<0.0070	0.0070	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Endosulfan, beta-	33213-65-9	<0.0070	0.0070	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Endosulfan, total	----	<0.010	0.01	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Endrin	72-20-8	<0.010	0.010	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Endrin aldehyde	7421-93-4	<0.010	0.010	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorobenzene	118-74-1	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorobutadiene	87-68-3	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorocyclohexane, alpha-	319-84-6	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorocyclohexane, beta-	319-85-7	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorocyclohexane, delta-	319-86-8	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorocyclohexane, gamma-	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachlorocyclohexane, total	608-73-1	<0.016	0.016	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Hexachloroethane	67-72-1	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Mirex	2385-85-5	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Nonachlor, trans-	39765-80-5	<0.010	0.010	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Oxychlordane	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Pentachloronitrobenzene	82-68-8	<0.010	0.010	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
DDT + metabolites, total	----	<0.010	0.01	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Organochlorine Pesticides								
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	115	0.10	%	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Tetrachloro-m-xylene	877-09-8	111	0.10	%	E660F/WT	12-Jan-2024	16-Jan-2024	1301243
Herbicides								
Alachlor	15972-60-8	<0.050 PNS	0.050	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
AMPA	74341-63-2	<0.50	0.50	µg/L	E716A/WT	12-Jan-2024	16-Jan-2024	1301162
Atrazine	1912-24-9	<0.050 PNS	0.050	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Atrazine + N-dealkylated metabolites	----	<0.10 PNS	0.1	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Atrazine-desethyl	6190-65-4	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Cyanazine	21725-46-2	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Diclofop-methyl	51338-27-3	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Diuron	330-54-1	<0.050 PNS	0.050	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Glyphosate	1071-83-6	<0.20	0.20	µg/L	E716A/WT	12-Jan-2024	16-Jan-2024	1301162
Metolachlor	51218-45-2	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Metribuzin	21087-64-9	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Prometryn	7287-19-6	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Simazine	122-34-9	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Triallate	2303-17-5	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Trifluralin	1582-09-8	<0.10 PNS	0.10	µg/L	E756/WT	12-Jan-2024	12-Jan-2024	1301380
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	85.0	1.0	%	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Insecticides								
Aldicarb	116-06-3	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Azinphos-methyl	86-50-0	<0.100 PNS	0.100	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Bendiocarb	22781-23-3	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Carbaryl	63-25-2	<0.050 PNS	0.050	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Carbofuran	1563-66-2	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Chlorpyrifos	2921-88-2	<0.10 PNS	0.10	µg/L	E756/WT	12-Jan-2024	12-Jan-2024	1301380
Diazinon	333-41-5	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Dimethoate	60-51-5	<0.050 PNS	0.050	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Malathion	121-75-5	<0.0250 PNS	0.0250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Parathion	56-38-2	<0.10 PNS	0.10	µg/L	E756/WT	12-Jan-2024	12-Jan-2024	1301380
Phorate	298-02-2	<0.250 PNS	0.250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Temephos	3383-96-8	<0.250 PNS	0.250	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Terbufos	13071-79-9	<0.50 PNS	0.50	µg/L	E755/WT	16-Jan-2024	16-Jan-2024	1303979
Pesticides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Bromoxynil	1689-84-5	<0.050	0.050	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Dicamba	1918-00-9	<0.10	0.10	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	15-Jan-2024	15-Jan-2024	1302611
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	15-Jan-2024	15-Jan-2024	1302611
Picloram	1918-02-1	<0.10	0.10	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049

Analytical Results

FC2400092-002

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

Client sample ID: Fort Chip - Raw Water Chamber
Client sampling date / time: 10-Jan-2024 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Pesticides								
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	15-Jan-2024	15-Jan-2024	1303049
Nitrosamines								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.034	0.034	µg/L	E725A/WT	19-Jan-2024	19-Jan-2024	1306939
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	101	0.10	%	E725A/WT	19-Jan-2024	19-Jan-2024	1306939

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

Please refer to the Accreditation section for an explanation of analyte accreditations.