



CERTIFICATE OF ANALYSIS

Work Order	: FC2401698	Page	: 1 of 17
Client	: Regional Municipality of Wood Buffalo	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Megan Trydal
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Telephone	: 780-762-5863	Telephone	: +1 780 791 1524
Project	: Fort Chipewyan - SC4 Raw + R1 + Table 1 Treated (Imperial)	Date Samples Received	: 02-Jul-2024 16:30
PO	: 4500051416	Date Analysis Commenced	: 03-Jul-2024
C-O-C number	: ----	Issue Date	: 18-Jul-2024 18:16
Sampler	: JF		
Site	: Schedule 4: Fort Chip		
Quote number	: Q61323 (Fort chip)		
No. of samples received	: 3		
No. of samples analysed	: 3		

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

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

Signatories

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

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
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Stephanie Pinheiro	Team Leader - LCMS	LCMS, Waterloo, Ontario
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta



General Comments

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

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

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

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

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

Unit	Description
-	no units
%	percent
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
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
HTD	Hold time exceeded for re-analysis or dilution, but initial testing was conducted within hold time.
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.



Analytical Results

Sub-Matrix: Water					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
(Matrix: Water)					Client sampling date / time	02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Physical Tests										
Alkalinity, bicarbonate (as CaCO3)	---	E290/EO	2.0	mg/L	---	43.2	56.5	----	----	
Alkalinity, carbonate (as CaCO3)	---	E290/EO	2.0	mg/L	---	<2.0	6.0	----	----	
Alkalinity, hydroxide (as CaCO3)	---	E290/EO	2.0	mg/L	---	<2.0	<2.0	----	----	
Alkalinity, phenolphthalein (as CaCO3)	---	E290/EO	2.0	mg/L	---	<2.0	3.0	----	----	
Alkalinity, total (as CaCO3)	---	E290/EO	2.0	mg/L	54.3	43.2	62.5	----	----	
Colour, true	---	E329/CG	5.0	CU	---	<5.0	<5.0	----	----	
Hardness (as CaCO3), dissolved	---	EC100/EO	0.50	mg/L	44.5	---	---	----	----	
Hardness (as CaCO3), from total Ca/Mg	---	EC100A/EO	0.50	mg/L	---	45.0	46.3	----	----	
Salinity	---	EC100S/VA	1.0	psu	<1.0	---	---	----	----	
Solids, total dissolved [TDS]	---	E162/EO	10	mg/L	---	80	109	----	----	
Conductivity	---	E100/EO	2.0	µS/cm	176	108	187	----	----	
pH	---	E108/EO	0.10	pH units	8.40	8.00	8.86	----	----	
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	1.4	---	---	----	----	
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	98.4	---	---	----	----	
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/EO	0.0050	mg/L	---	0.0166	0.0082	----	----	
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L	21.8	4.78	21.2	----	----	
Nitrate + Nitrite (as N)	---	EC235.N+N/E O	0.0050	mg/L	---	<0.0224	<0.0224	----	----	
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L	0.021	0.063	<0.020	----	----	
Nitrate (as N)	14797-55-8	E235.NO3/EO	0.020	mg/L	<0.020	<0.020	<0.020	----	----	
Nitrite (as N)	14797-65-0	E235.NO2/EO	0.010	mg/L	<0.010	<0.010	<0.010	----	----	
Sulfate (as SO4)	14808-79-8	E235.SO4/EO	0.30	mg/L	6.96	7.30	6.32	----	----	
Nitrate + Nitrite (as N)	---	EC235.N+N/E O	0.0500	mg/L	<0.0500	---	---	----	----	
Cyanides										
Cyanide, strong acid dissociable (Total)	---	E333/WT	0.0020	mg/L	---	<0.0020	<0.0020	----	----	
Organic / Inorganic Carbon										



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Organic / Inorganic Carbon										
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L	----	4.98	2.23	----	----	
Inorganics										
Chloramines, total (as Cl2)	----	EC326/EO	0.20	mg/L	----	<0.20	<0.20	----	----	
Chlorine, free	7782-50-5	E327/WT	0.050	mg/L	----	<0.050 ^{PEHR}	0.830 ^{PEHR}	----	----	
Chlorine, total	7782-50-5	E326/WT	0.050	mg/L	----	<0.050 ^{PEHR}	0.920 ^{PEHR}	----	----	
Chlorite	14998-27-7	E409.CLO2/W T	0.010	mg/L	----	<0.010	<0.010	----	----	
Total Sulfides										
Sulfide, total (as S)	18496-25-8	E395/VA	0.0015	mg/L	<0.0015	<0.0015	<0.0015	----	----	
Sulfide, total (as H2S)	7783-06-4	E395/VA	0.0016	mg/L	<0.0016	----	----	----	----	
Ion Balance										
Anion sum	----	EC101/EO	0.10	meq/L	1.85	----	----	----	----	
Cation sum	----	EC101/EO	0.10	meq/L	1.68	----	----	----	----	
Ion balance (APHA)	----	EC101/EO	0.01	%	-4.82	----	----	----	----	
Ion balance (cations/anions)	----	EC101/EO	0.010	%	90.8	----	----	----	----	
Total Metals										
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L	0.0304	0.101	0.0585	----	----	
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L	0.00022	0.00032	0.00022	----	----	
Barium, total	7440-39-3	E420/EO	0.00010	mg/L	0.0261	0.0266	0.0245	----	----	
Beryllium, total	7440-41-7	E420/EO	0.000020	mg/L	<0.000020	<0.000020	<0.000020	----	----	
Bismuth, total	7440-69-9	E420/EO	0.000050	mg/L	<0.000050	<0.000050	<0.000050	----	----	
Boron, total	7440-42-8	E420/EO	0.010	mg/L	0.014	0.015	0.014	----	----	
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L	----	<0.0050	<0.0050	----	----	
Cadmium, total	7440-43-9	E420/EO	0.0000050	mg/L	<0.0000050	----	----	----	----	
Calcium, total	7440-70-2	E420/EO	0.050	mg/L	13.0	12.1	12.8	----	----	
Cesium, total	7440-46-2	E420/EO	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Cobalt, total	7440-48-4	E420/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Copper, total	7440-50-8	E420/EO	0.00050	mg/L	0.00071	0.00119	0.00202	----	----	
Iron, total	7439-89-6	E420/EO	0.010	mg/L	<0.010	0.111	<0.010	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
(Matrix: Water)					Client sampling date / time	02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Total Metals										
Lead, total	7439-92-1	E420/EO	0.000050	mg/L	<0.000050	0.000070	<0.000050	----	----	
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L	0.0032	0.0032	0.0031	----	----	
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L	3.58	3.60	3.48	----	----	
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L	0.00095	0.00594	0.00118	----	----	
Mercury, total	7439-97-6	E508/EO	0.0000050	mg/L	----	<0.0000050	<0.0000050	----	----	
Molybdenum, total	7439-98-7	E420/EO	0.000050	mg/L	0.000198	0.000241	0.000208	----	----	
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Phosphorus, total	7723-14-0	E420/EO	0.050	mg/L	<0.050	<0.050	<0.050	----	----	
Potassium, total	7440-09-7	E420/EO	0.050	mg/L	0.959	0.968	0.937	----	----	
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L	0.00090	0.00095	0.00092	----	----	
Selenium, total	7782-49-2	E420/EO	0.000050	mg/L	0.000083	0.000093	<0.000050	----	----	
Silicon, total	7440-21-3	E420/EO	0.10	mg/L	1.01	1.34	1.04	----	----	
Silver, total	7440-22-4	E420/EO	0.000010	mg/L	0.000209	<0.000010	<0.000010	----	----	
Sodium, total	7440-23-5	E420/EO	0.050	mg/L	19.4	5.26	22.7	----	----	
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L	0.0778	0.0782	0.0777	----	----	
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L	2.06	2.44	2.07	----	----	
Tellurium, total	13494-80-9	E420/EO	0.00020	mg/L	<0.00020	<0.00020	<0.00020	----	----	
Thallium, total	7440-28-0	E420/EO	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Thorium, total	7440-29-1	E420/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Tin, total	7440-31-5	E420/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L	<0.00030	0.00276	<0.00030	----	----	
Tungsten, total	7440-33-7	E420/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Uranium, total	7440-61-1	E420/EO	0.000010	mg/L	<0.000010	0.000114	<0.000010	----	----	
Vanadium, total	7440-62-2	E420/EO	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L	<0.0030	<0.0030	<0.0030	----	----	
Zirconium, total	7440-67-7	E420/EO	0.00020	mg/L	<0.00020	0.00026	<0.00020	----	----	
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L	0.0288	0.0979	0.0580	----	----	
Antimony, dissolved	7440-36-0	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Arsenic, dissolved	7440-38-2	E421/EO	0.00010	mg/L	0.00021	0.00031	0.00021	----	----	
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L	0.0253	0.0260	0.0233	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
(Matrix: Water)					Client sampling date / time	02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Dissolved Metals										
Beryllium, dissolved	7440-41-7	E421/EO	0.000020	mg/L	<0.000020	<0.000020	<0.000020	----	----	
Bismuth, dissolved	7440-69-9	E421/EO	0.000050	mg/L	<0.000050	<0.000050	<0.000050	----	----	
Boron, dissolved	7440-42-8	E421/EO	0.010	mg/L	0.021	0.017	0.016	----	----	
Cadmium, dissolved	7440-43-9	E421/EO	0.0000050	mg/L	<0.0000050	0.0000055	<0.0000050	----	----	
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L	12.5	11.8	12.3	----	----	
Cesium, dissolved	7440-46-2	E421/EO	0.000010	mg/L	<0.000010	0.000011	<0.000010	----	----	
Chromium, dissolved	7440-47-3	E421/EO	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Cobalt, dissolved	7440-48-4	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Copper, dissolved	7440-50-8	E421/EO	0.00020	mg/L	0.00069	0.00116	0.00194	----	----	
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L	<0.010	0.100	<0.010	----	----	
Lead, dissolved	7439-92-1	E421/EO	0.000050	mg/L	<0.000050	0.000068	<0.000050	----	----	
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L	0.0033	0.0032	0.0031	----	----	
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L	3.22	3.37	3.18	----	----	
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L	0.00104	0.00566	0.00108	----	----	
Molybdenum, dissolved	7439-98-7	E421/EO	0.000050	mg/L	0.000219	0.000273	0.000241	----	----	
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L	<0.050	<0.050	<0.050	----	----	
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L	0.926	0.962	0.923	----	----	
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L	0.00094	0.00106	0.00094	----	----	
Selenium, dissolved	7782-49-2	E421/EO	0.000050	mg/L	<0.000050	<0.000050	<0.000050	----	----	
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L	0.991	1.29	1.05	----	----	
Silver, dissolved	7440-22-4	E421/EO	0.000010	mg/L	0.000112	<0.000010	<0.000010	----	----	
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L	17.7	4.60	21.0	----	----	
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L	0.0768	0.0779	0.0764	----	----	
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L	2.14	2.58	2.26	----	----	
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L	<0.00020	<0.00020	<0.00020	----	----	
Thallium, dissolved	7440-28-0	E421/EO	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Thorium, dissolved	7440-29-1	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Tin, dissolved	7440-31-5	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Titanium, dissolved	7440-32-6	E421/EO	0.00030	mg/L	<0.00030	0.00237	<0.00030	----	----	
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Dissolved Metals										
Uranium, dissolved	7440-61-1	E421/EO	0.000010	mg/L	<0.000010	0.000126	<0.000010	----	----	
Vanadium, dissolved	7440-62-2	E421/EO	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Zinc, dissolved	7440-66-6	E421/EO	0.0010	mg/L	<0.0010	<0.0010	<0.0010	----	----	
Zirconium, dissolved	7440-67-7	E421/EO	0.00030	mg/L	<0.00030	0.00037	<0.00030	----	----	
Dissolved metals filtration location	----	EP421/EO	-	-	Field	Field	Field	----	----	
Aggregate Organics										
Naphthenic acids	----	E565-L/EO	0.10	mg/L	<0.10	<0.10	<0.10	----	----	
Nitrilotriacetic acid [NTA]	139-13-9	E394/WT	0.40	mg/L	----	<0.40 ^{HTD}	<0.40 ^{HTD}	----	----	
Volatile Organic Compounds										
Benzene	71-43-2	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Bromobenzene	108-86-1	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Bromochloromethane	74-97-5	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Bromodichloromethane	75-27-4	E611E/EO	1.0	µg/L	----	<1.0	15.5	----	----	
Bromoform	75-25-2	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Bromomethane	74-83-9	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Butylbenzene, n-	104-51-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Butylbenzene, sec-	135-98-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Butylbenzene, tert-	98-06-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Carbon tetrachloride	56-23-5	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Chlorobenzene	108-90-7	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Chloroethane	75-00-3	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Chloroform	67-66-3	E611E/EO	1.0	µg/L	----	<1.0	50.6	----	----	
Chloromethane	74-87-3	E611E/EO	5.0	µg/L	----	<5.0	<5.0	----	----	
Chlorotoluene, 2-	95-49-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Chlorotoluene, 4-	106-43-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Cymene, p-	99-87-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dibromo-3-chloropropane, 1,2-	96-12-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dibromochloromethane	124-48-1	E611E/EO	1.0	µg/L	----	<1.0	6.2	----	----	
Dibromoethane, 1,2-	106-93-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dibromomethane	74-95-3	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichlorobenzene, 1,2-	95-50-1	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Volatile Organic Compounds										
Dichlorobenzene, 1,3-	541-73-1	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichlorobenzene, 1,4-	106-46-7	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichlorodifluoromethane	75-71-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloroethane, 1,1-	75-34-3	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloroethane, 1,2-	107-06-2	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloroethylene, 1,1-	75-35-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloroethylene, cis-1,2-	156-59-2	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloroethylene, trans-1,2-	156-60-5	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloromethane	75-09-2	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloropropane, 1,2-	78-87-5	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloropropane, 1,3-	142-28-9	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloropropane, 2,2-	594-20-7	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloropropylene, 1,1-	563-58-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloropropylene, cis+trans-1,3-	542-75-6	E611E/EO	1.5	µg/L	----	<1.5	<1.5	----	----	
Dichloropropylene, cis-1,3-	10061-01-5	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dichloropropylene, trans-1,3-	10061-02-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Dioxane, 1,4-	123-91-1	E611I/WT	20	µg/L	----	<20	<20	----	----	
Ethylbenzene	100-41-4	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Hexachlorobutadiene	87-68-3	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Isopropylbenzene	98-82-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Propylbenzene, n-	103-65-1	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Styrene	100-42-5	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Tetrachloroethane, 1,1,1,2-	630-20-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Tetrachloroethane, 1,1,2,2-	79-34-5	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Tetrachloroethylene	127-18-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Toluene	108-88-3	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorobenzene, 1,2,3-	87-61-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trichlorobenzene, 1,2,4-	120-82-1	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trichloroethane, 1,1,1-	71-55-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trichloroethane, 1,1,2-	79-00-5	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Volatile Organic Compounds										
Trichloroethylene	79-01-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trichlorofluoromethane	75-69-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trichloropropane, 1,2,3-	96-18-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trimethylbenzene, 1,2,4-	95-63-6	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trimethylbenzene, 1,3,5-	108-67-8	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Vinyl chloride	75-01-4	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Xylene, m+p-	179601-23-1	E611E/EO	0.40	µg/L	----	<0.40	<0.40	----	----	
Xylene, o-	95-47-6	E611E/EO	0.30	µg/L	----	<0.30	<0.30	----	----	
Xylenes, total	1330-20-7	E611E/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
BTEX, total	----	E611E/EO	1.0	µg/L	----	<1.0	<1.0	----	----	
Trihalomethanes [THMs], total	----	E611E/EO	2.0	µg/L	----	<2.0	72.3	----	----	
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/EO	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Ethylbenzene	100-41-4	E611A/EO	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611A/EO	0.50	µg/L	----	<0.50	<0.50	----	----	
Styrene	100-42-5	E611A/EO	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Toluene	108-88-3	E611A/EO	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Xylene, m+p-	179601-23-1	E611A/EO	0.40	µg/L	<0.40	<0.40	<0.40	----	----	
Xylene, o-	95-47-6	E611A/EO	0.30	µg/L	<0.30	<0.30	<0.30	----	----	
Xylenes, total	1330-20-7	E611A/EO	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
BTEX, total	----	E611A/EO	1.0	µg/L	<1.0	<1.0	<1.0	----	----	
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	<100	----	----	
F1-BTEX	----	EC580/EO	100	µg/L	----	<100	<100	----	----	
F1-BTEX	----	EC580/EO	25	µg/L	<100	----	----	----	----	
F2 (C10-C16)	----	E601/EO	100	µg/L	<100	<100	<100	----	----	
F3 (C16-C34)	----	E601/EO	250	µg/L	<250	<250	<250	----	----	
F4 (C34-C50)	----	E601/EO	250	µg/L	<250	<250	<250	----	----	
Hydrocarbons, total (C6-C50)	n/a	EC581/EO	370	µg/L	<380	----	----	----	----	
TEH (C10-C50)	n/a	E601/EO	400	µg/L	----	<400	<400	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	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	%	108	107	108	----	----	
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%	128	116	109	----	----	
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%	77.2	72.0	72.3	----	----	
Bromofluorobenzene, 4-	460-00-4	E611I/WT	1.0	%	----	95.2	94.2	----	----	
Bromofluorobenzene, 4-	460-00-4	E611E/EO	1.0	%	----	72.0	72.3	----	----	
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%	90.2	108	110	----	----	
Difluorobenzene, 1,4-	540-36-3	E611I/WT	1.0	%	----	100	101	----	----	
Difluorobenzene, 1,4-	540-36-3	E611E/EO	1.0	%	----	108	110	----	----	
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Acenaphthylene	208-96-8	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Acridine	260-94-6	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Anthracene	120-12-7	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Benz(a)anthracene	56-55-3	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Benzo(a)pyrene	50-32-8	E641A/EO	0.0050	µg/L	<0.0050	<0.0050	<0.0050	----	----	
Benzo(b+j)fluoranthene	n/a	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Benzo(b+j+k)fluoranthene	n/a	E641A/EO	0.015	µg/L	<0.015	<0.015	<0.015	----	----	
Benzo(g,h,i)perylene	191-24-2	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Benzo(k)fluoranthene	207-08-9	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Chrysene	218-01-9	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Dibenz(a,h)anthracene	53-70-3	E641A/EO	0.0050	µg/L	<0.0050	<0.0050	<0.0050	----	----	
Fluoranthene	206-44-0	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Fluorene	86-73-7	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Methylnaphthalene, 1-	90-12-0	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Methylnaphthalene, 1+2-	----	E641A/EO	0.015	µg/L	<0.015	<0.015	<0.015	----	----	
Methylnaphthalene, 2-	91-57-6	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
Naphthalene	91-20-3	E641A/EO	0.050	µg/L	<0.050	<0.050	<0.050	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
(Matrix: Water)					Client sampling date / time	02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Polycyclic Aromatic Hydrocarbons										
Phenanthrene	85-01-8	E641A/EO	0.020	µg/L	<0.020	<0.020	<0.020	----	----	
Pyrene	129-00-0	E641A/EO	0.010	µg/L	<0.010	0.010	<0.010	----	----	
Quinoline	91-22-5	E641A/EO	0.050	µg/L	0.050	0.096	<0.050	----	----	
B(a)P total potency equivalents [B(a)P TPE]	----	E641A/EO	0.010	µg/L	<0.010	<0.010	<0.010	----	----	
PAHs, high molecular weight (BC AWQ)	n/a	E641A/EO	0.030	µg/L	<0.030	<0.030	<0.030	----	----	
PAHs, low molecular weight (BC AWQ)	n/a	E641A/EO	0.060	µg/L	<0.060	<0.060	<0.060	----	----	
PAHs, total (CCME sewer 18)	n/a	E641A/EO	0.070	µg/L	<0.070	<0.070	<0.070	----	----	
PAHs, total (EPA 16)	n/a	E641A/EO	0.065	µg/L	<0.065	<0.065	<0.065	----	----	
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/EO	0.1	%	104	106	106	----	----	
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%	92.1	84.0	82.7	----	----	
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%	126	126	126	----	----	
Disinfectant By-Products										
Bromate	15541-45-4	E722A/WT	0.00030	mg/L	----	<0.00030	<0.00150 ^{DLM}	----	----	
Chlorate	14866-68-3	E409.CLO3/W T	0.010	mg/L	----	<0.010	0.246	----	----	
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E625A/WT	1.0	%	----	80.4	79.3	----	----	
Nitrobenzene-d5	4165-60-0	E625A/WT	1.0	%	----	88.3	112	----	----	
Terphenyl-d14, p-	1718-51-0	E625A/WT	1.0	%	----	83.0	78.1	----	----	
Chlorinated Phenolics										
Dichlorophenol, 2,4-	120-83-2	E625A/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Pentachlorophenol [PCP]	87-86-5	E625A/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Tetrachlorophenol, 2,3,4,6-	58-90-2	E625A/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorophenol, 2,4,6-	88-06-2	E625A/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E625A/WT	0.50	%	----	89.2	80.7	----	----	
Organochlorine Pesticides										
Aldrin	309-00-2	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Chlordane, cis- (alpha)	5103-71-9	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Chlordane, total	57-74-9	E660F/WT	0.011	µg/L	----	<0.011	<0.011	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Organochlorine Pesticides										
Chlordane, trans- (gamma)	5103-74-2	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
DDD, 2,4'	53-19-0	E660F/WT	0.0040	µg/L	----	<0.0040	<0.0040	----	----	
DDD, 4,4'	72-54-8	E660F/WT	0.0040	µg/L	----	<0.0040	<0.0040	----	----	
DDD, total	----	E660F/WT	0.0060	µg/L	----	<0.0060	<0.0060	----	----	
DDE, 2,4'	3424-82-6	E660F/WT	0.0040	µg/L	----	<0.0040	<0.0040	----	----	
DDE, 4,4'	72-55-9	E660F/WT	0.0040	µg/L	----	<0.0040	<0.0040	----	----	
DDE, total	----	E660F/WT	0.0060	µg/L	----	<0.0060	<0.0060	----	----	
DDT, 2,4'	789-02-6	E660F/WT	0.0040	µg/L	----	<0.0040	<0.0040	----	----	
DDT, 4,4'	50-29-3	E660F/WT	0.0040	µg/L	----	<0.0040	<0.0040	----	----	
DDT, total	----	E660F/WT	0.0060	µg/L	----	<0.0060	<0.0060	----	----	
Dieldrin	60-57-1	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Endosulfan sulfate	1031-07-8	E660F/WT	0.0070	µg/L	----	<0.0070	<0.0070	----	----	
Endosulfan, alpha-	959-98-8	E660F/WT	0.0070	µg/L	----	<0.0070	<0.0070	----	----	
Endosulfan, beta-	33213-65-9	E660F/WT	0.0070	µg/L	----	<0.0070	<0.0070	----	----	
Endosulfan, total	----	E660F/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Endrin	72-20-8	E660F/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Endrin aldehyde	7421-93-4	E660F/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Heptachlor	76-44-8	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Heptachlor epoxide	1024-57-3	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorobenzene	118-74-1	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorobutadiene	87-68-3	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorocyclohexane, alpha-	319-84-6	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorocyclohexane, beta-	319-85-7	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorocyclohexane, delta-	319-86-8	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorocyclohexane, gamma-	58-89-9	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Hexachlorocyclohexane, total	608-73-1	E660F/WT	0.016	µg/L	----	<0.016	<0.016	----	----	
Hexachloroethane	67-72-1	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Methoxychlor	72-43-5	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Mirex	2385-85-5	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
Nonachlor, trans-	39765-80-5	E660F/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Oxychlordane	27304-13-8	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
(Matrix: Water)					Client sampling date / time	02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Organochlorine Pesticides										
Pentachloronitrobenzene	82-68-8	E660F/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Aldrin + Dieldrin	----	E660F/WT	0.011	µg/L	----	<0.011	<0.011	----	----	
DDT + metabolites, total	----	E660F/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Heptachlor + Heptachlor epoxide	n/a	E660F/WT	0.011	µg/L	----	<0.011	<0.011	----	----	
Organochlorine Pesticides Surrogates										
Decachlorobiphenyl	2051-24-3	E660F/WT	0.10	%	----	116	108	----	----	
Tetrachloro-m-xylene	877-09-8	E660F/WT	0.10	%	----	103	89.6	----	----	
Herbicides										
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Alachlor	15972-60-8	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Ametryn	834-12-8	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
AMPA	74341-63-2	E716A/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Asulam	3337-71-1	E706A/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Atrazine	1912-24-9	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Atrazine + metabolites, total	----	E755/WT	0.450	µg/L	----	<0.450	<0.450	----	----	
Atrazine + N-dealkylated metabolites	----	E755/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Atrazine, 2-hydroxy-	2163-68-0	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Atrazine-desethyl	6190-65-4	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Atrazine-desethyl-desisopropyl	3397-62-4	E755/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Atrazine-desisopropyl	1007-28-9	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Brodifacoum	56073-10-0	E706A/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Bromacil	314-40-9	E706A/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Bromoxynil	1689-84-5	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Clopyralid	1702-17-6	E706A/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Cyanazine	21725-46-2	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Dicamba	1918-00-9	E706A/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]	94-82-6	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Dichlorprop [2,4-DP]	120-36-5	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Herbicides										
Diclofop-methyl	51338-27-3	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Diflufenican	83164-33-4	E706A/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Dinoseb	88-85-7	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Diquat (ion)	2764-72-9	E723A/WT	1.0	µg/L	----	<1.0	<1.0	----	----	
Diuron	330-54-1	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Ethalfuralin	55283-68-6	E756/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Ethyl dipropylthiocarbamate, S- [EPTC]	759-94-4	E755/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Fluazifop-p-butyl	79241-46-6	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Glufosinate	53369-07-6	E716A/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Glyphosate	1071-83-6	E716A/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Linuron	330-55-2	E706A/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Mecoprop [MCPP]	95-65-2	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Methyl urea, 3-(3,4-dichlorophenyl)-1- [DCPMU]	3567-62-2	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Metolachlor	51218-45-2	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Metribuzin	21087-64-9	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Nicarbazin	330-95-0	E706A/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Oryzalin	19044-88-3	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Paraquat (as dichloride)	1910-42-5	E723A/WT	1.0	µg/L	----	<1.0	<1.0	----	----	
Picloram	1918-02-1	E706A/WT	0.10	µg/L	----	<0.50 ^{DLM}	<0.50 ^{DLM}	----	----	
Prometon	1610-18-0	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Prometryn	7287-19-6	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Propanil	709-98-8	E706A/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Propazine	139-40-2	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Simazine	122-34-9	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Tebuthiuron	34014-18-1	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Terbacil	5902-51-2	E706A/WT	0.010	µg/L	----	<0.010	<0.010	----	----	
Terbutryn	886-50-0	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Triallate	2303-17-5	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	93-72-1	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
Client sampling date / time					02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Herbicides										
Triclopyr	55335-06-3	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Trifluralin	1582-09-8	E756/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Herbicides Surrogates										
Dichlorophenylacetic acid, 2,4-	19719-28-9	E706A/WT	1.0	%	----	88.9	97.3	----	----	
Insecticides										
Aldicarb	116-06-3	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Azinphos-methyl	86-50-0	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Bendiocarb	22781-23-3	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Carbaryl	63-25-2	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Carbofuran	1563-66-2	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Chlorantraniliprole	500008-45-7	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Chlorpyrifos	2921-88-2	E756/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Clothianidin	210880-92-5	E755/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Diazinon	333-41-5	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Dimethoate	60-51-5	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Imidacloprid	138261-41-3	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Malathion	121-75-5	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Omethoate	1113-02-6	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Parathion	56-38-2	E756/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Parathion-methyl	298-00-0	E756/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Phorate	298-02-2	E755/WT	0.250	µg/L	----	<0.250	<0.250	----	----	
Temephos	3383-96-8	E755/WT	0.250	µg/L	----	<0.250	<0.250	----	----	
Terbufos	13071-79-9	E755/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Dimethoate + Omethoate (as Dimethoate)	n/a	E755/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Omethoate (as dimethoate)	n/a	E755/WT	0.16	µg/L	----	<0.16	<0.16	----	----	
Fungicides										
Azoxystrobin	131860-33-8	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Fludioxonil	131341-86-1	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Metalaxyl	57837-19-1	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Myclobutanil	88671-89-0	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Propiconazole	60207-90-1	E755/WT	0.0500	µg/L	----	<0.0500	<0.0500	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	FCWTP-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030	----	----
(Matrix: Water)					Client sampling date / time	02-Jul-2024 09:50	02-Jul-2024 10:00	02-Jul-2024 09:25	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2401698-001	FC2401698-002	FC2401698-003	-----	-----	
					Result	Result	Result	----	----	
Fungicides										
Pyraclostrobin	175013-18-0	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Trifloxystrobin	141517-21-7	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Triticonazole	131983-72-7	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Plant Growth Regulators										
Trinexapac-ethyl	95266-40-3	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Nitrosamines										
Nitrosodimethylamine, N- [NDMA]	62-75-9	E725A/WT	0.034	µg/L	----	<0.034	<0.034	----	----	
Nitrosamines Surrogates										
Nitrosodimethylamine-d6, N-	17829-05-9	E725A/WT	0.10	%	----	105	105	----	----	

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 : FC2401698	Page : 1 of 24
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 Raw + R1 + Table 1 Treated (Imperial)	Date Samples Received : 02-Jul-2024 16:30
PO : 4500051416	Date Analysis : 03-Jul-2024
C-O-C number : ----	Commenced : 18-Jul-2024 18:16
Sampler : JF	Issue Date : 18-Jul-2024 18:16
Site : Schedule 4: Fort Chip	
Quote number : Q61323 (Fort chip)	
No. of samples received : 3	
No. of samples analysed : 3	

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

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

Signatories

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

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Metals, Edmonton, Alberta
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Daniel Nguyen	Laboratory Analyst	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	Laboratory Analyst	Inorganics, Edmonton, Alberta
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Kevin Baxter	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario
Ping Yeung	Team Leader - Inorganics	Organics, Edmonton, Alberta
Sanja Risticvic	Department Manager - LCMS	LCMS, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	VOC, Waterloo, Ontario
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Stephanie Pinheiro	Team Leader - LCMS	LCMS, Waterloo, Ontario
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta



General Comments

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

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

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

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

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances

LOR: Limit of Reporting (detection limit).

Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.

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

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

<i>Qualifier</i>	<i>Description</i>
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
HTD	Hold time exceeded for re-analysis or dilution, but initial testing was conducted within hold time.
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.



Analytical Results

FC2401698-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Treated Water Lab Sink

Client sampling date / time: 02-Jul-2024 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Hardness (as CaCO ₃), dissolved	----	44.5	0.50	mg/L	EC100/EO	-	05-Jul-2024	-
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	09-Jul-2024	-
Conductivity	----	176	2.0	µS/cm	E100/EO	03-Jul-2024	03-Jul-2024	1526502
pH	----	8.40	0.10	pH units	E108/EO	03-Jul-2024	03-Jul-2024	1526500
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	63.3	1.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, carbonate (as CO ₃)	3812-32-6	1.4	1.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, total (as CaCO ₃)	----	54.3	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Solids, total dissolved [TDS], calculated	----	98.4	1.0	mg/L	EC103/EO	-	04-Jul-2024	-
Anions and Nutrients								
Chloride	16887-00-6	21.8	0.50	mg/L	E235.Cl/EO	03-Jul-2024	03-Jul-2024	1526453
Fluoride	16984-48-8	0.021	0.020	mg/L	E235.F/EO	03-Jul-2024	03-Jul-2024	1526455
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/EO	03-Jul-2024	03-Jul-2024	1526451
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	03-Jul-2024	03-Jul-2024	1526452
Sulfate (as SO ₄)	14808-79-8	6.96	0.30	mg/L	E235.SO4/EO	03-Jul-2024	03-Jul-2024	1526454
Nitrate + Nitrite (as N)	----	<0.0500	0.05	mg/L	EC235.N+N/EO	-	04-Jul-2024	-
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	09-Jul-2024	1535083
Sulfide, total (as H ₂ S)	7783-06-4	<0.0016	0.0016	mg/L	E395/VA	-	09-Jul-2024	1535083
Ion Balance								
Anion sum	----	1.85	0.10	meq/L	EC101/EO	-	04-Jul-2024	-
Cation sum	----	1.68	0.10	meq/L	EC101/EO	-	04-Jul-2024	-
Ion balance (APHA)	----	-4.82	0.01	%	EC101/EO	-	04-Jul-2024	-
Ion balance (cations/anions)	----	90.8	0.010	%	EC101/EO	-	04-Jul-2024	-
Total Metals								
Aluminum, total	7429-90-5	0.0304	0.0030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Arsenic, total	7440-38-2	0.00022	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Barium, total	7440-39-3	0.0261	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Boron, total	7440-42-8	0.014	0.010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cadmium, total	7440-43-9	<0.0000050	0.0000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Calcium, total	7440-70-2	13.0	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Chromium, total	7440-47-3	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Copper, total	7440-50-8	0.00071	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Lithium, total	7439-93-2	0.0032	0.0010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Magnesium, total	7439-95-4	3.58	0.0050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Manganese, total	7439-96-5	0.00095	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Molybdenum, total	7439-98-7	0.000198	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040



Analytical Results

FC2401698-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Treated Water Lab Sink

Client sampling date / time: 02-Jul-2024 09:50

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	05-Jul-2024	05-Jul-2024	1530040
Potassium, total	7440-09-7	0.959	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Rubidium, total	7440-17-7	0.00090	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Selenium, total	7782-49-2	0.000083	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Silicon, total	7440-21-3	1.01	0.10	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Silver, total	7440-22-4	0.000209	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Sodium, total	7440-23-5	19.4	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Strontium, total	7440-24-6	0.0778	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Sulfur, total	7704-34-9	2.06	0.50	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	09-Jul-2024	1530040
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0288	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Arsenic, dissolved	7440-38-2	0.00021	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Barium, dissolved	7440-39-3	0.0253	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Boron, dissolved	7440-42-8	0.021	0.010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Calcium, dissolved	7440-70-2	12.5	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Copper, dissolved	7440-50-8	0.00069	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Lithium, dissolved	7439-93-2	0.0033	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Magnesium, dissolved	7439-95-4	3.22	0.0050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Manganese, dissolved	7439-96-5	0.00104	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Molybdenum, dissolved	7439-98-7	0.000219	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Potassium, dissolved	7440-09-7	0.926	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Rubidium, dissolved	7440-17-7	0.00094	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Silicon, dissolved	7440-21-3	0.991	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023



Analytical Results

FC2401698-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Treated Water Lab Sink

Client sampling date / time: 02-Jul-2024 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Dissolved Metals								
Silver, dissolved	7440-22-4	0.000112	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Sodium, dissolved	7440-23-5	17.7	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Strontium, dissolved	7440-24-6	0.0768	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Sulfur, dissolved	7704-34-9	2.14	0.50	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	09-Jul-2024	1528023
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	04-Jul-2024	1528023
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	04-Jul-2024	08-Jul-2024	1527733
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	08-Jul-2024	08-Jul-2024	1531673
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	09-Jul-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
Hydrocarbons, total (C6-C50)	n/a	<380	380	µg/L	EC581/EO	-	05-Jul-2024	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	108	1.0	%	E601/EO	04-Jul-2024	04-Jul-2024	1527070
Dichlorotoluene, 3,4-	95-75-0	128	1.0	%	E581.F1/EO	08-Jul-2024	08-Jul-2024	1531673
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	77.2	1.0	%	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Difluorobenzene, 1,4-	540-36-3	90.2	1.0	%	E611A/EO	08-Jul-2024	08-Jul-2024	1531674
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071



Analytical Results

FC2401698-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Treated Water Lab Sink

Client sampling date / time: 02-Jul-2024 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Quinoline	91-22-5	0.050	0.050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	104	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Naphthalene-d8	1146-65-2	92.1	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Phenanthrene-d10	1517-22-2	126	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071

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

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as CaCO3)	----	43.2	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, carbonate (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, hydroxide (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, phenolphthalein (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, total (as CaCO3)	----	43.2	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Colour, true	----	<5.0	5.0	CU	E329/CG	04-Jul-2024	04-Jul-2024	1527682
Conductivity	----	108	2.0	µS/cm	E100/EO	03-Jul-2024	03-Jul-2024	1526502
Hardness (as CaCO3), from total Ca/Mg	----	45.0	0.50	mg/L	EC100A/EO	-	08-Jul-2024	-



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH	----	8.00	0.10	pH units	E108/EO	03-Jul-2024	03-Jul-2024	1526500
Solids, total dissolved [TDS]	----	80	10	mg/L	E162/EO	-	04-Jul-2024	1527212
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	0.0166	0.0050	mg/L	E298/EO	05-Jul-2024	05-Jul-2024	1530674
Chloride	16887-00-6	4.78	0.50	mg/L	E235.Cl/EO	03-Jul-2024	03-Jul-2024	1526453
Fluoride	16984-48-8	0.063	0.020	mg/L	E235.F/EO	03-Jul-2024	03-Jul-2024	1526455
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/EO	03-Jul-2024	03-Jul-2024	1526451
Nitrate + Nitrite (as N)	----	<0.0224	0.0224	mg/L	EC235.N+N/EO	-	04-Jul-2024	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	03-Jul-2024	03-Jul-2024	1526452
Sulfate (as SO4)	14808-79-8	7.30	0.30	mg/L	E235.SO4/EO	03-Jul-2024	03-Jul-2024	1526454
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0020	0.0020	mg/L	E333/WT	04-Jul-2024	05-Jul-2024	1527901
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	4.98	0.50	mg/L	E355-L/EO	04-Jul-2024	04-Jul-2024	1527787
Inorganics								
Chloramines, total (as Cl2)	----	<0.20	0.20	mg/L	EC326/EO	-	05-Jul-2024	-
Chlorine, free	7782-50-5	<0.050 ^{PEHR}	0.050	mg/L	E327/WT	-	05-Jul-2024	1529216
Chlorine, total	7782-50-5	<0.050 ^{PEHR}	0.050	mg/L	E326/WT	-	05-Jul-2024	1529215
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	05-Jul-2024	05-Jul-2024	1529856
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	09-Jul-2024	1535083
Total Metals								
Aluminum, total	7429-90-5	0.101	0.0030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Arsenic, total	7440-38-2	0.00032	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Barium, total	7440-39-3	0.0266	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Boron, total	7440-42-8	0.015	0.010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Calcium, total	7440-70-2	12.1	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Copper, total	7440-50-8	0.00119	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Iron, total	7439-89-6	0.111	0.010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Lead, total	7439-92-1	0.000070	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Lithium, total	7439-93-2	0.0032	0.0010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Magnesium, total	7439-95-4	3.60	0.0050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Manganese, total	7439-96-5	0.00594	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Mercury, total	7439-97-6	<0.0000050	0.0000050	mg/L	E508/EO	04-Jul-2024	04-Jul-2024	1527282
Molybdenum, total	7439-98-7	0.000241	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Potassium, total	7440-09-7	0.968	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Rubidium, total	7440-17-7	0.00095	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Selenium, total	7782-49-2	0.000093	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Silicon, total	7440-21-3	1.34	0.10	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Sodium, total	7440-23-5	5.26	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Strontium, total	7440-24-6	0.0782	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Sulfur, total	7704-34-9	2.44	0.50	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Titanium, total	7440-32-6	0.00276	0.00030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Uranium, total	7440-61-1	0.000114	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Zirconium, total	7440-67-7	0.00026	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0979	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Arsenic, dissolved	7440-38-2	0.00031	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Barium, dissolved	7440-39-3	0.0260	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Boron, dissolved	7440-42-8	0.017	0.010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cadmium, dissolved	7440-43-9	0.0000055	0.0000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Calcium, dissolved	7440-70-2	11.8	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cesium, dissolved	7440-46-2	0.000011	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Copper, dissolved	7440-50-8	0.00116	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Iron, dissolved	7439-89-6	0.100	0.010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Lead, dissolved	7439-92-1	0.000068	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Lithium, dissolved	7439-93-2	0.0032	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Magnesium, dissolved	7439-95-4	3.37	0.0050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Manganese, dissolved	7439-96-5	0.00566	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Molybdenum, dissolved	7439-98-7	0.000273	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Potassium, dissolved	7440-09-7	0.962	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Rubidium, dissolved	7440-17-7	0.00106	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Silicon, dissolved	7440-21-3	1.29	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Sodium, dissolved	7440-23-5	4.60	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Strontium, dissolved	7440-24-6	0.0779	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Sulfur, dissolved	7704-34-9	2.58	0.50	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Titanium, dissolved	7440-32-6	0.00237	0.00030	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Uranium, dissolved	7440-61-1	0.000126	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Zirconium, dissolved	7440-67-7	0.00037	0.00030	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	04-Jul-2024	1528023
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	04-Jul-2024	08-Jul-2024	1527733
Nitritotriacetic acid [NTA]	139-13-9	<0.40 ^{HTD}	0.40	mg/L	E394/WT	-	17-Jul-2024	1537929
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromobenzene	108-86-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromochloromethane	74-97-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromodichloromethane	75-27-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromoform	75-25-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromomethane	74-83-9	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Butylbenzene, n-	104-51-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Butylbenzene, sec-	135-98-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Butylbenzene, tert-	98-06-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chloroethane	75-00-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chloroform	67-66-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chloromethane	74-87-3	<5.0	5.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chlorotoluene, 2-	95-49-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chlorotoluene, 4-	106-43-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Cymene, p-	99-87-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromo-3-chloropropane, 1,2-	96-12-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromochloromethane	124-48-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromoethane, 1,2-	106-93-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromomethane	74-95-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorobenzene, 1,3-	541-73-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorodifluoromethane	75-71-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethane, 1,1-	75-34-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethylene, 1,1-	75-35-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds								
Dichloroethylene, cis-1,2-	156-59-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethylene, trans-1,2-	156-60-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropane, 1,2-	78-87-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropane, 1,3-	142-28-9	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropane, 2,2-	594-20-7	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, 1,1-	563-58-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, cis+trans-1,3-	542-75-6	<1.5	1.5	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, cis-1,3-	10061-01-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, trans-1,3-	10061-02-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	05-Jul-2024	05-Jul-2024	1530504
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Hexachlorobutadiene	87-68-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Isopropylbenzene	98-82-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Propylbenzene, n-	103-65-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Styrene	100-42-5	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Tetrachloroethane, 1,1,1,2-	630-20-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Tetrachloroethane, 1,1,2,2-	79-34-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichlorobenzene, 1,2,3-	87-61-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichlorobenzene, 1,2,4-	120-82-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloroethane, 1,1,1-	71-55-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloroethane, 1,1,2-	79-00-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichlorofluoromethane	75-69-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloropropane, 1,2,3-	96-18-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trimethylbenzene, 1,2,4-	95-63-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trimethylbenzene, 1,3,5-	108-67-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
BTEX, total	----	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trihalomethanes [THMs], total	----	<2.0	2.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds [Fuels]								
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	05-Jul-2024	06-Jul-2024	1529668
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	09-Jul-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	107	1.0	%	E601/EO	04-Jul-2024	04-Jul-2024	1527070
Dichlorotoluene, 3,4-	95-75-0	116	1.0	%	E581.F1/EO	05-Jul-2024	06-Jul-2024	1529668
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	72.0	1.0	%	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Bromofluorobenzene, 4-	460-00-4	72.0	1.0	%	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromofluorobenzene, 4-	460-00-4	95.2	1.0	%	E611I/WT	05-Jul-2024	05-Jul-2024	1530504
Difluorobenzene, 1,4-	540-36-3	108	1.0	%	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Difluorobenzene, 1,4-	540-36-3	108	1.0	%	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Difluorobenzene, 1,4-	540-36-3	100	1.0	%	E611I/WT	05-Jul-2024	05-Jul-2024	1530504
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Pyrene	129-00-0	0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Quinoline	91-22-5	0.096	0.050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Polycyclic Aromatic Hydrocarbons								
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	106	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Naphthalene-d8	1146-65-2	84.0	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Phenanthrene-d10	1517-22-2	126	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Disinfectant By-Products								
Bromate	15541-45-4	<0.00030	0.00030	mg/L	E722A/WT	05-Jul-2024	05-Jul-2024	1529431
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	05-Jul-2024	05-Jul-2024	1529855
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	80.4	1.0	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Nitrobenzene-d5	4165-60-0	88.3	1.0	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Terphenyl-d14, p-	1718-51-0	83.0	1.0	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Chlorinated Phenolics								
Dichlorophenol, 2,4-	120-83-2	<0.20	0.20	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Trichlorophenol, 2,4,6-	88-06-2	<0.20	0.20	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	89.2	0.50	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Organochlorine Pesticides								
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDD, total	----	<0.0060	0.006	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDE, total	----	<0.0060	0.006	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT, total	----	<0.0060	0.006	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan sulfate	1031-07-8	<0.0070	0.0070	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan, alpha-	959-98-8	<0.0070	0.0070	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan, beta-	33213-65-9	<0.0070	0.0070	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan, total	----	<0.010	0.01	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endrin	72-20-8	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endrin aldehyde	7421-93-4	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorobenzene	118-74-1	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Organochlorine Pesticides								
Hexachlorobutadiene	87-68-3	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, alpha-	319-84-6	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, beta-	319-85-7	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, delta-	319-86-8	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, gamma-	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, total	608-73-1	<0.016	0.016	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachloroethane	67-72-1	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Mirex	2385-85-5	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Nonachlor, trans-	39765-80-5	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Oxychlorane	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Pentachloronitrobenzene	82-68-8	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT + metabolites, total	----	<0.010	0.01	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	116	0.10	%	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Tetrachloro-m-xylene	877-09-8	103	0.10	%	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Herbicides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Alachlor	15972-60-8	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Ametryn	834-12-8	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
AMPA	74341-63-2	<0.50	0.50	µg/L	E716A/WT	08-Jul-2024	12-Jul-2024	1532770
Asulam	3337-71-1	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Atrazine	1912-24-9	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine + metabolites, total	----	<0.450	0.45	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine + N-dealkylated metabolites	----	<0.10	0.1	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine, 2-hydroxy-	2163-68-0	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine-desethyl	6190-65-4	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine-desethyl-desisopropyl	3397-62-4	<0.40	0.40	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine-desisopropyl	1007-28-9	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Brodifacoum	56073-10-0	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Bromacil	314-40-9	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Bromoxynil	1689-84-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Clopyralid	1702-17-6	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Cyanazine	21725-46-2	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Dicamba	1918-00-9	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]	94-82-6	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dichlorprop [2,4-DP]	120-36-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Diclofop-methyl	51338-27-3	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Diffufenican	83164-33-4	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	08-Jul-2024	08-Jul-2024	1532787



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Herbicides								
Diuron	330-54-1	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Ethalfuralin	55283-68-6	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Ethyl dipropylthiocarbamate, S- [EPTC]	759-94-4	<0.50	0.50	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Fluazifop-p-butyl	79241-46-6	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Glufosinate	53369-07-6	<0.50	0.50	µg/L	E716A/WT	08-Jul-2024	12-Jul-2024	1532770
Glyphosate	1071-83-6	<0.20	0.20	µg/L	E716A/WT	08-Jul-2024	12-Jul-2024	1532770
Linuron	330-55-2	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Mecoprop [MCPPI]	95-65-2	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Methyl urea, 3-(3,4-dichlorophenyl)-1- [DCPMU]	3567-62-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Metolachlor	51218-45-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Metribuzin	21087-64-9	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Nicarbazin	330-95-0	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Oryzalin	19044-88-3	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	08-Jul-2024	08-Jul-2024	1532787
Picloram	1918-02-1	<0.50 ^{DLM}	0.50	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Prometon	1610-18-0	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Prometryn	7287-19-6	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Propanil	709-98-8	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Propazine	139-40-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Simazine	122-34-9	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Tebuthiuron	34014-18-1	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Terbacil	5902-51-2	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Terbutryn	886-50-0	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Triallate	2303-17-5	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	93-72-1	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Triclopyr	55335-06-3	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Trifluralin	1582-09-8	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	88.9	1.0	%	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Insecticides								
Aldicarb	116-06-3	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Azinphos-methyl	86-50-0	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Bendiocarb	22781-23-3	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Carbaryl	63-25-2	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Carbofuran	1563-66-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Chlorantraniliprole	500008-45-7	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Chlorpyrifos	2921-88-2	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Clothianidin	210880-92-5	<0.10	0.10	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Diazinon	333-41-5	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Dimethoate	60-51-5	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Imidacloprid	138261-41-3	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Malathion	121-75-5	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Omethoate	1113-02-6	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Parathion	56-38-2	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367



Analytical Results

FC2401698-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Jul-2024 10:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Insecticides								
Parathion-methyl	298-00-0	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Phorate	298-02-2	<0.250	0.250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Temephos	3383-96-8	<0.250	0.250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Terbufos	13071-79-9	<0.50	0.50	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Dimethoate + Omethoate (as Dimethoate)	n/a	<0.20	0.2	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Omethoate (as dimethoate)	n/a	<0.16	0.16	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Fungicides								
Azoxystrobin	131860-33-8	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Fludioxonil	131341-86-1	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Metalaxyl	57837-19-1	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Myclobutanil	88671-89-0	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Propiconazole	60207-90-1	<0.0500	0.0500	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Pyraclostrobin	175013-18-0	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Trifloxystrobin	141517-21-7	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Triticonazole	131983-72-7	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Plant Growth Regulators								
Trinexapac-ethyl	95266-40-3	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Nitrosamines								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.034	0.034	µg/L	E725A/WT	12-Jul-2024	12-Jul-2024	1540976
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	105	0.10	%	E725A/WT	12-Jul-2024	12-Jul-2024	1540976

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

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as CaCO3)	----	56.5	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, carbonate (as CaCO3)	----	6.0	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, hydroxide (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, phenolphthalein (as CaCO3)	----	3.0	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Alkalinity, total (as CaCO3)	----	62.5	2.0	mg/L	E290/EO	03-Jul-2024	03-Jul-2024	1526501
Colour, true	----	<5.0	5.0	CU	E329/CG	04-Jul-2024	04-Jul-2024	1527682
Conductivity	----	187	2.0	µS/cm	E100/EO	03-Jul-2024	03-Jul-2024	1526502
Hardness (as CaCO3), from total Ca/Mg	----	46.3	0.50	mg/L	EC100A/EO	-	08-Jul-2024	-
pH	----	8.86	0.10	pH units	E108/EO	03-Jul-2024	03-Jul-2024	1526500
Solids, total dissolved [TDS]	----	109	10	mg/L	E162/EO	-	04-Jul-2024	1527212
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	0.0082	0.0050	mg/L	E298/EO	05-Jul-2024	05-Jul-2024	1530674
Chloride	16887-00-6	21.2	0.50	mg/L	E235.Cl/EO	03-Jul-2024	03-Jul-2024	1526453



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
Anions and Nutrients								
Fluoride	16984-48-8	<0.020	0.020	mg/L	E235.F/EO	03-Jul-2024	03-Jul-2024	1526455
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/EO	03-Jul-2024	03-Jul-2024	1526451
Nitrate + Nitrite (as N)	----	<0.0224	0.0224	mg/L	EC235.N+N/EO	-	04-Jul-2024	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	03-Jul-2024	03-Jul-2024	1526452
Sulfate (as SO4)	14808-79-8	6.32	0.30	mg/L	E235.SO4/EO	03-Jul-2024	03-Jul-2024	1526454
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0020	0.0020	mg/L	E333/WT	05-Jul-2024	05-Jul-2024	1529568
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	2.23	0.50	mg/L	E355-L/EO	04-Jul-2024	04-Jul-2024	1527787
Inorganics								
Chloramines, total (as Cl2)	----	<0.20	0.20	mg/L	EC326/EO	-	05-Jul-2024	-
Chlorine, free	7782-50-5	0.830 ^{PEHR}	0.050	mg/L	E327/WT	-	05-Jul-2024	1529216
Chlorine, total	7782-50-5	0.920 ^{PEHR}	0.050	mg/L	E326/WT	-	05-Jul-2024	1529215
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	05-Jul-2024	05-Jul-2024	1529856
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	09-Jul-2024	1535083
Total Metals								
Aluminum, total	7429-90-5	0.0585	0.0030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Arsenic, total	7440-38-2	0.00022	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Barium, total	7440-39-3	0.0245	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Boron, total	7440-42-8	0.014	0.010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Calcium, total	7440-70-2	12.8	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Copper, total	7440-50-8	0.00202	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Lithium, total	7439-93-2	0.0031	0.0010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Magnesium, total	7439-95-4	3.48	0.0050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Manganese, total	7439-96-5	0.00118	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Mercury, total	7439-97-6	<0.0000050	0.0000050	mg/L	E508/EO	04-Jul-2024	04-Jul-2024	1527282
Molybdenum, total	7439-98-7	0.000208	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Potassium, total	7440-09-7	0.937	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Rubidium, total	7440-17-7	0.00092	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Silicon, total	7440-21-3	1.04	0.10	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	09-Jul-2024	1530040
Sodium, total	7440-23-5	22.7	0.050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Strontium, total	7440-24-6	0.0777	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Sulfur, total	7704-34-9	2.07	0.50	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	05-Jul-2024	05-Jul-2024	1530040
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0580	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Arsenic, dissolved	7440-38-2	0.00021	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Barium, dissolved	7440-39-3	0.0233	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Boron, dissolved	7440-42-8	0.016	0.010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Calcium, dissolved	7440-70-2	12.3	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Copper, dissolved	7440-50-8	0.00194	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Lithium, dissolved	7439-93-2	0.0031	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Magnesium, dissolved	7439-95-4	3.18	0.0050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Manganese, dissolved	7439-96-5	0.00108	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Molybdenum, dissolved	7439-98-7	0.000241	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Potassium, dissolved	7440-09-7	0.923	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Rubidium, dissolved	7440-17-7	0.00094	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Silicon, dissolved	7440-21-3	1.05	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	09-Jul-2024	1528023
Sodium, dissolved	7440-23-5	21.0	0.050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Strontium, dissolved	7440-24-6	0.0764	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Sulfur, dissolved	7704-34-9	2.26	0.50	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	04-Jul-2024	04-Jul-2024	1528023
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	04-Jul-2024	1528023
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	04-Jul-2024	08-Jul-2024	1527733
Nitritotriacetic acid [NTA]	139-13-9	<0.40 ^{HTD}	0.40	mg/L	E394/WT	-	17-Jul-2024	1537929
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromobenzene	108-86-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromochloromethane	74-97-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromodichloromethane	75-27-4	15.5	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromoform	75-25-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromomethane	74-83-9	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Butylbenzene, n-	104-51-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Butylbenzene, sec-	135-98-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Butylbenzene, tert-	98-06-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chloroethane	75-00-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chloroform	67-66-3	50.6	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chloromethane	74-87-3	<5.0	5.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chlorotoluene, 2-	95-49-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Chlorotoluene, 4-	106-43-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Cymene, p-	99-87-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromo-3-chloropropane, 1,2-	96-12-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromochloromethane	124-48-1	6.2	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromoethane, 1,2-	106-93-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dibromomethane	74-95-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorobenzene, 1,3-	541-73-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichlorodifluoromethane	75-71-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethane, 1,1-	75-34-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethylene, 1,1-	75-35-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethylene, cis-1,2-	156-59-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloroethylene, trans-1,2-	156-60-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropane, 1,2-	78-87-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropane, 1,3-	142-28-9	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds								
Dichloropropane, 2,2-	594-20-7	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, 1,1-	563-58-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, cis+trans-1,3-	542-75-6	<1.5	1.5	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, cis-1,3-	10061-01-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dichloropropylene, trans-1,3-	10061-02-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	05-Jul-2024	05-Jul-2024	1530504
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Hexachlorobutadiene	87-68-3	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Isopropylbenzene	98-82-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Propylbenzene, n-	103-65-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Styrene	100-42-5	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Tetrachloroethane, 1,1,1,2-	630-20-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Tetrachloroethane, 1,1,2,2-	79-34-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichlorobenzene, 1,2,3-	87-61-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichlorobenzene, 1,2,4-	120-82-1	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloroethane, 1,1,1-	71-55-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloroethane, 1,1,2-	79-00-5	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichlorofluoromethane	75-69-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trichloropropane, 1,2,3-	96-18-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trimethylbenzene, 1,2,4-	95-63-6	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trimethylbenzene, 1,3,5-	108-67-8	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
BTEX, total	----	<1.0	1.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Trihalomethanes [THMs], total	----	72.3	2.0	µg/L	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	05-Jul-2024	06-Jul-2024	1529668
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	09-Jul-2024	-



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Hydrocarbons								
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	04-Jul-2024	04-Jul-2024	1527070
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	108	1.0	%	E601/EO	04-Jul-2024	04-Jul-2024	1527070
Dichlorotoluene, 3,4-	95-75-0	109	1.0	%	E581.F1/EO	05-Jul-2024	06-Jul-2024	1529668
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	72.3	1.0	%	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Bromofluorobenzene, 4-	460-00-4	72.3	1.0	%	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Bromofluorobenzene, 4-	460-00-4	94.2	1.0	%	E611I/WT	05-Jul-2024	05-Jul-2024	1530504
Difluorobenzene, 1,4-	540-36-3	110	1.0	%	E611A/EO	05-Jul-2024	06-Jul-2024	1529667
Difluorobenzene, 1,4-	540-36-3	110	1.0	%	E611E/EO	05-Jul-2024	06-Jul-2024	1529666
Difluorobenzene, 1,4-	540-36-3	101	1.0	%	E611I/WT	05-Jul-2024	05-Jul-2024	1530504
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	106	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/OT
Polycyclic Aromatic Hydrocarbons Surrogates								
Naphthalene-d8	1146-65-2	82.7	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Phenanthrene-d10	1517-22-2	126	0.1	%	E641A/EO	04-Jul-2024	04-Jul-2024	1527071
Disinfectant By-Products								
Bromate	15541-45-4	<0.00150 ^{DLM}	0.00150	mg/L	E722A/WT	05-Jul-2024	05-Jul-2024	1529431
Chlorate	14866-68-3	0.246	0.010	mg/L	E409.CLO3/WT	05-Jul-2024	05-Jul-2024	1529855
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	79.3	1.0	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Nitrobenzene-d5	4165-60-0	112	1.0	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Terphenyl-d14, p-	1718-51-0	78.1	1.0	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Chlorinated Phenolics								
Dichlorophenol, 2,4-	120-83-2	<0.20	0.20	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Trichlorophenol, 2,4,6-	88-06-2	<0.20	0.20	µg/L	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	80.7	0.50	%	E625A/WT	08-Jul-2024	09-Jul-2024	1534350
Organochlorine Pesticides								
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDD, total	----	<0.0060	0.006	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDE, total	----	<0.0060	0.006	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT, total	----	<0.0060	0.006	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan sulfate	1031-07-8	<0.0070	0.0070	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan, alpha-	959-98-8	<0.0070	0.0070	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan, beta-	33213-65-9	<0.0070	0.0070	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endosulfan, total	----	<0.010	0.01	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endrin	72-20-8	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Endrin aldehyde	7421-93-4	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorobenzene	118-74-1	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorobutadiene	87-68-3	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, alpha-	319-84-6	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, beta-	319-85-7	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, delta-	319-86-8	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachlorocyclohexane, gamma-	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Organochlorine Pesticides								
Hexachlorocyclohexane, total	608-73-1	<0.016	0.016	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Hexachloroethane	67-72-1	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Mirex	2385-85-5	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Nonachlor, trans-	39765-80-5	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Oxychlorane	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Pentachloronitrobenzene	82-68-8	<0.010	0.010	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
DDT + metabolites, total	----	<0.010	0.01	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	108	0.10	%	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Tetrachloro-m-xylene	877-09-8	89.6	0.10	%	E660F/WT	05-Jul-2024	08-Jul-2024	1529152
Herbicides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Alachlor	15972-60-8	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Ametryn	834-12-8	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
AMPA	74341-63-2	<0.50	0.50	µg/L	E716A/WT	08-Jul-2024	12-Jul-2024	1532770
Asulam	3337-71-1	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Atrazine	1912-24-9	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine + metabolites, total	----	<0.450	0.45	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine + N-dealkylated metabolites	----	<0.10	0.1	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine, 2-hydroxy-	2163-68-0	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine-desethyl	6190-65-4	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine-desethyl-desisopropyl	3397-62-4	<0.40	0.40	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Atrazine-desisopropyl	1007-28-9	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Brodifacoum	56073-10-0	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Bromacil	314-40-9	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Bromoxynil	1689-84-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Clopyralid	1702-17-6	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Cyanazine	21725-46-2	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Dicamba	1918-00-9	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]	94-82-6	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dichlorprop [2,4-DP]	120-36-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Diclofop-methyl	51338-27-3	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Difflufenican	83164-33-4	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	08-Jul-2024	08-Jul-2024	1532787
Diuron	330-54-1	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Ethalfuralin	55283-68-6	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Ethyl dipropylthiocarbamate, S- [EPTC]	759-94-4	<0.50	0.50	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Fluazifop-p-butyl	79241-46-6	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Glufosinate	53369-07-6	<0.50	0.50	µg/L	E716A/WT	08-Jul-2024	12-Jul-2024	1532770



Analytical Results

FC2401698-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Herbicides								
Glyphosate	1071-83-6	<0.20	0.20	µg/L	E716A/WT	08-Jul-2024	12-Jul-2024	1532770
Linuron	330-55-2	<0.10	0.10	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Mecoprop [MCPP]	95-65-2	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Methyl urea, 3-(3,4-dichlorophenyl)-1- [DCPMU]	3567-62-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Metolachlor	51218-45-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Metribuzin	21087-64-9	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Nicarbazin	330-95-0	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Oryzalin	19044-88-3	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	08-Jul-2024	08-Jul-2024	1532787
Picloram	1918-02-1	<0.50 ^{DLM}	0.50	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Prometon	1610-18-0	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Prometryn	7287-19-6	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Propanil	709-98-8	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Propazine	139-40-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Simazine	122-34-9	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Tebuthiuron	34014-18-1	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Terbacil	5902-51-2	<0.010	0.010	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Terbutryn	886-50-0	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Triallate	2303-17-5	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	93-72-1	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Triclopyr	55335-06-3	<0.050	0.050	µg/L	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Trifluralin	1582-09-8	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	97.3	1.0	%	E706A/WT	09-Jul-2024	09-Jul-2024	1535135
Insecticides								
Aldicarb	116-06-3	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Azinphos-methyl	86-50-0	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Bendiocarb	22781-23-3	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Carbaryl	63-25-2	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Carbofuran	1563-66-2	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Chlorantraniliprole	500008-45-7	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Chlorpyrifos	2921-88-2	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Clothianidin	210880-92-5	<0.10	0.10	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Diazinon	333-41-5	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Dimethoate	60-51-5	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Imidacloprid	138261-41-3	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Malathion	121-75-5	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Omethoate	1113-02-6	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Parathion	56-38-2	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Parathion-methyl	298-00-0	<0.10	0.10	µg/L	E756/WT	08-Jul-2024	08-Jul-2024	1533367
Phorate	298-02-2	<0.250	0.250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Temephos	3383-96-8	<0.250	0.250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Terbufos	13071-79-9	<0.50	0.50	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Dimethoate + Omethoate (as Dimethoate)	n/a	<0.20	0.2	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910



Analytical Results

FC2401698-003

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: FCWTP-R1-9150030

Client sampling date / time: 02-Jul-2024 09:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Insecticides								
Omethoate (as dimethoate)	n/a	<0.16	0.16	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Fungicides								
Azoxystrobin	131860-33-8	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Fludioxonil	131341-86-1	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Metalaxyl	57837-19-1	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Myclobutanil	88671-89-0	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Propiconazole	60207-90-1	<0.0500	0.0500	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Pyraclostrobin	175013-18-0	<0.050	0.050	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Trifloxystrobin	141517-21-7	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Triticonazole	131983-72-7	<0.0250	0.0250	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Plant Growth Regulators								
Trinexapac-ethyl	95266-40-3	<0.100	0.100	µg/L	E755/WT	05-Jul-2024	05-Jul-2024	1529910
Nitrosamines								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.034	0.034	µg/L	E725A/WT	12-Jul-2024	12-Jul-2024	1540976
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	105	0.10	%	E725A/WT	12-Jul-2024	12-Jul-2024	1540976

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.



ALS Environmental

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number:

Page 1 of 1

Report To

Company: Regional Municipality of Wood Buffalo (W7P)

Contact: Water Treatment Plant

Phone: 780-762-5963

Street: 1 Silh Forest Road

City/Province: Fort McMurray AB.

Postal Code: T9H 5A1

Invoice To: Same as Report To

Company: RMWB

Contact: Accounts Payable (9909 Franklin Ave./Fort McMurray AB T9H 2K4)

ALS Account # / Quote #: Q61323

Job #: Fort Chipewyan-SC4 Raw + R1 + Table 1 Treated (Imperial)

PO / AFE: 4500051416

LSD:

ALS Lab Work Order # (lab use only): FC2401698

ALS Sample # (lab use only):

Sample Identification and/or Coordinates (This description will appear on the report)

FCWTP-Treated Water Lab Sink

FCWTP-Raw Water Chamber

FCWTP-R1-9150030

Drinking Water (DW) Samples (client use)

Are samples taken from a Regulated DW System?

Are samples for human consumption/ use?

SHIPPING RELEASE (client use)

Name: Jeff Brumby

Date: 2024 5/12

Time: 10:30

Received by: [Signature]

Date: 2 - July 24

Time: 4:30

Received by: [Signature]

Date: [Signature]

Time: [Signature]

Received by: [Signature]

Date: [Signature]

Time: [Signature]

Received by: [Signature]

Date: [Signature]

Time: [Signature]

Received by: [Signature]

Date: [Signature]

Time: [Signature]

Received by: [Signature]

Date: [Signature]

Time: [Signature]

Received by: [Signature]

Report Format / Distribution

Select Report Format: PDF [X] EXCEL [X] EDD (DIGITAL) []

Quality Control (QC) Report with Report [X] YES [] NO

Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: EMAIL [X] MAIL [] FAX []

Email 1 or Fax: wjblsh@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

Oil and Gas Required Fields (client use)

AFE/Cost Center:

Major/Minor Code:

Requisitioner:

Location:

ALS Contact:

Date

Time

Sample Type

025UL24

025UL24

025UL24

0950

1900

0925

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

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Water

Water

Water

Water

Water

Water

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

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

4 day [P4-20%] 3 day [P3-25%] 2 day [P2-50%]

1 Business day [E - 100%] Same Day, Weekend or Statutory holiday [E2 - 200% (Laboratory opening fees may apply)]

EMERGENCY []

Data and Time Required for all E&P 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

Q61323

F1-F4 Hydrocarbons

Naphthenic Acid

PAH

BTEX/F1

Total Metals

Dissolved Metals

Total Sulphate

Total Sulphide

Routine Chemistry

Physical Chemistry

Salinity

SUSPECTED HAZARD (see Special Instructions)

SUSPECTED HAZARD (see Special Instructions)

SUSPECTED HAZARD (see Special Instructions)

SUSPECTED HAZARD (see Special Instructions)

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SUSPECTED HAZARD (see Special Instructions)

SUSPECTED HAZARD (see Special Instructions)

Environmental Division
Fort McMurray
Work Order Reference
FC2401698



Telephone : + 1 780 791 1524

SAMPLE CONI
SIF
Ice Packs
Ice Cubes
Cooling Initiated

Frozen
Ice Packs
Ice Cubes
Cooling Initiated

INITIAL COOLER TEMPERATURES °C
FINAL SHIPMENT RECEPTION (lab use only)

INITIAL COOLER TEMPERATURES °C
FINAL SHIPMENT RECEPTION (lab use only)

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INITIAL COOLER TEMPERATURES °C
FINAL SHIPMENT RECEPTION (lab use only)

Municipal Drinking Water Facility Sample Request Form - Facility to Lab (Ver 2009-01)
 (as per Alberta Environment and Parks (AEP) Approval/Registration) (one sample per form)

LABORATORY INFORMATION:

Name:	
Address:	
Phone:	
FAX:	

Lab: Please email receipt of this sample to: dwg.datacoord@gov.ab.ca done, DATE:

FOR LAB USE:	
Lab Sample Number:	
Date Received:	
Account:	

BILLING / SAMPLE REQUESTER INFORMATION:

Contact Name:	Regional Municipality of Wood Buffalo		
Mailing Address:	9909 Franklin Avenue, Fort McMurray, AB T9H 2K4		
Phone:	780-743-7000	FAX:	
E-mail:	eswatertreatment@rmwb.ca		

Send Report to: same as above OR

Name:	Antoine Remp
Mailing Address:	1 Silin Forest road, Fort McMurray, AB T9H 5A1

Send Invoice to: same as above OR

Name:	Accounts Payable
Mailing Address:	accounts.payable@rmwb.ca

FACILITY WATER SAMPLING (Annual/Quarterly/Semi-annual/Monthly): Project Code: ABMDWC

Facility Sample Identifier (Sample No.):	R1-9150030	MUST match label on bottle(s)
Date Sent:	2024/07/02	

Sample Date:	2024 / Jul / 02	Time: (24 hr clock)	09 : 25
Year (YYYY)	2024	Month (MMM)	Jul
Day (DD)	02	Hour (HH)	09
Minute (mm)		Minute (mm)	25

AENV Approval/Registration #	680
Facility Name:	FORT CHIPWEYAN WATERWORKS SYSTEM

Sampled at Station No.	AB07MD0242	Station Description:	DISTRIBUTION: RANDOM LOCATIONS
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Sample Matrix:	TREATED WATER (10)	Raw Water Source:	<input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water under Influence of Surface Water
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Sample Type:	DISCRETE SAMPLE (GRAB (1))
Sample Frequency:	(2 Samples per ANNUM) (ANNUL)

Sample Location / Comments:	Contact office
Send results to AEP electronically:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

ANALYSIS TYPE: (check which is appropriate for this sample) see reverse for details.

<input checked="" type="checkbox"/> Physical	<input checked="" type="checkbox"/> Inorganic	<input checked="" type="checkbox"/> Organics & Pesticide
<input type="checkbox"/> Trihalomethanes	<input type="checkbox"/> Fluoride Only	<input type="checkbox"/> Giardia / Cryptosporidium / Viruses
<input type="checkbox"/> Haloacetic Acids	<input type="checkbox"/> Other:	

All Municipal Drinking Water Facilities, regulated by AEP, must have their annual, semi annual, and / or specific monthly samples analyzed at an ISO/IEC 17025 accredited laboratory. AEP will only accept data in their specific electronic format. Billing / payment is the responsibility of the facility. The above information must be submitted by the facility and recorded by the laboratory to insure that it is forwarded with the sample data.