



CERTIFICATE OF ANALYSIS

Work Order : **FC2400764**
Client : **Regional Municipality of Wood Buffalo**
Contact : Water Treatment Plant
Address : 1 Silin Forest Road
Fort McMurray AB Canada T9H 5A1
Telephone : 780-762-5863
Project : Fort Chipewyan - SC4 Raw + SC4 R1 + Table 1 Treated
PO : 4500055977
C-O-C number : ----
Sampler : GS
Site : ----
Quote number : RMWB WTP SC4
No. of samples received : 3
No. of samples analysed : 3

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Laboratory : ALS Environmental - Fort McMurray
Account Manager : Megan Trydal
Address : #4, 340 Macalpine Crescent
Fort McMurray AB Canada T9H 4A8
Telephone : +1 780 791 1524
Date Samples Received : 03-Apr-2024 08:02
Date Analysis Commenced : 03-Apr-2024
Issue Date : 26-Apr-2024 11:04

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
Brayden Ginther	Laboratory Analyst	Metals, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Geoff Berg	Lab Analyst	Organics, Edmonton, Alberta
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Hannah Phung	Lab Assistant	Inorganics, Calgary, Alberta
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
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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



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.

Workorder Comments

Added sample times / Corrected due date

Qualifiers

Qualifier	Description
DLI	Detection Limit Raised: Dilution required to address Internal Standard response problems caused by matrix interference.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).



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Work Order : FC2400764
Client : Regional Municipality of Wood Buffalo
Project : Fort Chipewyan - SC4 Raw + SC4 R1 + Table 1 Treated

PEHR *Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.*

PNS *Test performed on non-preserved sample*



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001 Result	FC2400764-002 Result	FC2400764-003 Result	----- ----	----- ----	
Physical Tests										
Alkalinity, bicarbonate (as CaCO3)	---	E290/EO	2.0	mg/L	---	34.1	52.3	----	----	
Alkalinity, carbonate (as CaCO3)	---	E290/EO	2.0	mg/L	---	<2.0	<2.0	----	----	
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	<2.0	----	----	
Colour, true	---	E329/CG	5.0	CU	---	5.1	<5.0	----	----	
Hardness (as CaCO3), dissolved	---	EC100/EO	0.50	mg/L	35.2	---	---	----	----	
Hardness (as CaCO3), from total Ca/Mg	---	EC100A/EO	0.50	mg/L	---	33.3	34.8	----	----	
Salinity	---	EC100S/VA	1.0	psu	<1.0	<1.0	---	----	----	
Solids, total dissolved [TDS]	---	E162/EO	10	mg/L	---	60	82	----	----	
Conductivity	---	E100/EO	2.0	µS/cm	147	82.3	147	----	----	
pH	---	E108/EO	0.10	pH units	8.29	7.46	8.23	----	----	
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/EO	1.0	mg/L	65.6	---	---	----	----	
Alkalinity, carbonate (as CO3)	3812-32-6	E290/EO	1.0	mg/L	<1.0	---	---	----	----	
Alkalinity, hydroxide (as OH)	14280-30-9	E290/EO	1.0	mg/L	<1.0	---	---	----	----	
Alkalinity, total (as CaCO3)	---	E290/EO	2.0	mg/L	53.8	34.1	52.3	----	----	
Solids, total dissolved [TDS], calculated	---	EC103/EO	1.0	mg/L	88.0	---	---	----	----	
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/EO	0.0050	mg/L	---	<0.0050	<0.0050	----	----	
Nitrate + Nitrite (as N)	---	EC235.N+N/E O	0.0050	mg/L	---	0.0760	0.0780	----	----	
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L	14.8	3.86	14.8	----	----	
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L	0.022	0.060	0.021	----	----	
Nitrate (as N)	14797-55-8	E235.NO3/EO	0.020	mg/L	0.080	0.076	0.078	----	----	
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	3.83	4.20	3.82	----	----	
Nitrate + Nitrite (as N)	---	EC235.N+N/E O	0.0500	mg/L	0.0800	---	---	----	----	
Cyanides										
Cyanide, strong acid dissociable (Total)	---	E333/WT	0.0020	mg/L	---	<0.0020	<0.0020	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Organic / Inorganic Carbon										
Carbon, total organic [TOC]	----	E355-L/EO	0.50	mg/L	----	5.14	2.82	----	----	
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}	0.880 ^{PEHR}	----	----	
Chlorine, total	7782-50-5	E326/WT	0.050	mg/L	----	<0.050 ^{PEHR}	0.940 ^{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	<0.0016	<0.0016	----	----	
Ion Balance										
Anion sum	----	EC101/EO	0.10	meq/L	1.58	----	----	----	----	
Cation sum	----	EC101/EO	0.10	meq/L	1.48	----	----	----	----	
Ion balance (APHA)	----	EC101/EO	0.01	%	-3.27	----	----	----	----	
Ion balance (cations/anions)	----	EC101/EO	0.010	%	93.7	----	----	----	----	
Total Metals										
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L	0.0208	0.0685	0.0202	----	----	
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	0.00013	0.00025	0.00014	----	----	
Barium, total	7440-39-3	E420/EO	0.00010	mg/L	0.0176	0.0176	0.0169	----	----	
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	0.030	0.017	0.014	----	----	
Cadmium, total	7440-43-9	E420/EO	0.0050	µg/L	<0.0050	<0.0050	<0.0050	----	----	
Calcium, total	7440-70-2	E420/EO	0.050	mg/L	9.40	8.71	9.34	----	----	
Cesium, total	7440-46-2	E420/EO	0.000010	mg/L	<0.000010	0.000011	<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	0.00188	0.00188	0.00192	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Total Metals										
Iron, total	7439-89-6	E420/EO	0.010	mg/L	<0.010	0.093	<0.010	----	----	
Lead, total	7439-92-1	E420/EO	0.000050	mg/L	<0.000050	0.000052	<0.000050	----	----	
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L	0.0034	0.0032	0.0031	----	----	
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L	2.78	2.81	2.80	----	----	
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L	0.00201	0.00296	0.00148	----	----	
Mercury, total	7439-97-6	E508/EO	0.0050	µg/L	----	<0.0050	<0.0050	----	----	
Molybdenum, total	7439-98-7	E420/EO	0.000050	mg/L	0.000238	0.000242	0.000221	----	----	
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L	<0.00050	0.00076	<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	1.05	1.06	1.05	----	----	
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L	0.00094	0.00108	0.00090	----	----	
Selenium, total	7782-49-2	E420/EO	0.000050	mg/L	<0.000050	<0.000050	<0.000050	----	----	
Silicon, total	7440-21-3	E420/EO	0.10	mg/L	2.39	2.62	2.35	----	----	
Silver, total	7440-22-4	E420/EO	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Sodium, total	7440-23-5	E420/EO	0.050	mg/L	17.5	3.17	17.5	----	----	
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L	0.0626	0.0622	0.0628	----	----	
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L	1.32	1.44	1.29	----	----	
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	0.00019	0.00018	0.00020	----	----	
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L	<0.00030	0.00178	<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	0.000076	<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	<0.00020	<0.00020	----	----	
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L	0.0173	0.0049	0.0193	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Dissolved Metals										
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	0.00010	0.00020	0.00012	----	----	
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L	0.0175	0.0172	0.0173	----	----	
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	0.013	0.012	0.011	----	----	
Cadmium, dissolved	7440-43-9	E421/EO	0.0050	µg/L	<0.0050	<0.0050	<0.0050	----	----	
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L	9.60	8.93	9.58	----	----	
Cesium, dissolved	7440-46-2	E421/EO	0.000010	mg/L	<0.000010	<0.000010	<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	0.00050	0.00096	0.00061	----	----	
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L	<0.010	<0.010	<0.010	----	----	
Lead, dissolved	7439-92-1	E421/EO	0.000050	mg/L	<0.000050	<0.000050	<0.000050	----	----	
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L	0.0033	0.0031	0.0030	----	----	
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L	2.74	2.74	2.72	----	----	
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L	0.00173	0.00180	0.00123	----	----	
Molybdenum, dissolved	7439-98-7	E421/EO	0.000050	mg/L	0.000153	0.000210	0.000138	----	----	
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	1.01	0.996	1.00	----	----	
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L	0.00100	0.00092	0.00091	----	----	
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	2.31	2.45	2.29	----	----	
Silver, dissolved	7440-22-4	E421/EO	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L	17.1	3.13	16.7	----	----	
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L	0.0626	0.0621	0.0618	----	----	
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L	1.35	1.28	1.08	----	----	
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L	<0.00020	<0.00020	<0.00020	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Dissolved Metals										
Thallium, dissolved	7440-28-0	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
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	<0.00030	<0.00030	----	----	
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Uranium, dissolved	7440-61-1	E421/EO	0.00010	mg/L	<0.00010	0.000066	<0.00010	----	----	
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	0.0017	<0.0010	0.0014	----	----	
Zirconium, dissolved	7440-67-7	E421/EO	0.00030	mg/L	<0.00030	<0.00030	<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	----	----	
Nitritotriacetic acid [NTA]	139-13-9	E394/WT	0.40	mg/L	----	<0.40	<0.40	----	----	
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	7.3	----	----	
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	10.9	----	----	
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	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Volatile Organic Compounds										
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	5.4	----	----	
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	----	----	
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	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Volatile Organic Compounds										
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	----	----	
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	23.6	----	----	
Volatile Organic Compounds [Fuels]										
BTEX+Styrene, total	n/a	E611A/EO	1.5	µg/L	<1.5	<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	<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	----	----	
TEH (C10-C50)	n/a	E601/EO	400	µg/L	<400	<400	<400	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Hydrocarbons										
TEH (C16-C50)	----	E601/EO	400	µg/L	<400	<400	<400	----	----	
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601/EO	1.0	%	114	110	111	----	----	
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%	109	97.3	97.9	----	----	
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%	78.7	73.3	81.3	----	----	
Bromofluorobenzene, 4-	460-00-4	E611I/WT	1.0	%	----	104	105	----	----	
Bromofluorobenzene, 4-	460-00-4	E611E/EO	1.0	%	----	73.3	81.3	----	----	
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%	93.7	77.6	83.5	----	----	
Difluorobenzene, 1,4-	540-36-3	E611I/WT	1.0	%	----	100	100	----	----	
Difluorobenzene, 1,4-	540-36-3	E611E/EO	1.0	%	----	77.6	83.5	----	----	
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)fluoranthene	n/a	E655B/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
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	----	----	
Dibenzofuran	132-64-9	E655B/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
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	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Polycyclic Aromatic Hydrocarbons										
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	----	----	
Perylene	198-55-0	E655B/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
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	<0.050	<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	%	117	124	114	----	----	
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%	97.7	109	93.6	----	----	
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%	118	128	116	----	----	
Disinfectant By-Products										
Bromate	15541-45-4	E722A/WT	0.00030	mg/L	----	<0.00030	<0.00030	----	----	
Chlorate	14866-68-3	E409.CLO3/W T	0.010	mg/L	----	<0.010	0.055	----	----	
Phthalate Esters										
Diethyl phthalate	84-66-2	E655B/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Dimethyl phthalate	131-11-3	E655B/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Di-n-butyl phthalate	84-74-2	E655B/WT	1.0	µg/L	----	<1.0	<1.0	----	----	
Di-n-octyl phthalate [DNOP]	117-84-0	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Semi-Volatile Organics										
Biphenyl	92-52-4	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Dichlorobenzene, 1,2-	95-50-1	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Semi-Volatile Organics										
Dichlorobenzene, 1,3-	541-73-1	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Dichlorobenzene, 1,4-	106-46-7	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Dichlorobenzidine, 3,3'-	91-94-1	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Dinitrotoluene, 2,4-	121-14-2	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Dinitrotoluene, 2,6-	606-20-2	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Diphenyl ether	101-84-8	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Hexachlorobenzene	118-74-1	E655B/WT	0.040	µg/L	----	<0.040	<0.040	----	----	
Hexachlorobutadiene	87-68-3	E655B/WT	0.20	µg/L	----	<0.20	<0.20	----	----	
Hexachlorocyclopentadiene	77-47-4	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Hexachloroethane	67-72-1	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Trichlorobenzene, 1,2,3-	87-61-6	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Trichlorobenzene, 1,2,4-	120-82-1	E655B/WT	0.40	µg/L	----	<0.40	<0.40	----	----	
Dinitrotoluene, 2,4 + 2,6-	n/a	E655B/WT	0.60	µg/L	----	<0.60	<0.60	----	----	
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E655B/WT	1.0	%	----	93.0	84.1	----	----	
Nitrobenzene-d5	4165-60-0	E655B/WT	1.0	%	----	99.9	91.4	----	----	
Terphenyl-d14, p-	1718-51-0	E655B/WT	1.0	%	----	98.1	87.5	----	----	
Chlorinated Phenolics										
Dichlorophenol, 2,4-	120-83-2	E655B/WT	0.30	µg/L	----	<0.30	<0.30	----	----	
Dichlorophenol, 2,6-	87-65-0	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Pentachlorophenol [PCP]	87-86-5	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Tetrachlorophenol, 2,3,4,5-	4901-51-3	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Tetrachlorophenol, 2,3,4,6-	58-90-2	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Tetrachlorophenol, 2,3,5,6-	935-95-5	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorophenol, 2,3,4-	15950-66-0	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorophenol, 2,3,5-	933-78-8	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorophenol, 2,4,5-	95-95-4	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorophenol, 2,4,6-	88-06-2	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Non-Chlorinated Phenolics										



Analytical Results

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Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Non-Chlorinated Phenolics										
Dimethylphenol, 2,4-	105-67-9	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Dinitrophenol, 2,4-	51-28-5	E655B/WT	1.0	µg/L	----	<1.0	<1.0	----	----	
Phenol	108-95-2	E655B/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Phenol, 2-methyl-4,6-dinitro- [DNOC]	534-52-1	E655B/WT	2.0	µg/L	----	<2.0	<2.0	----	----	
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E655B/WT	0.50	%	----	105	103	----	----	
Tribromophenol, 2,4,6-	118-79-6	E651D/WT	1.0	%	----	96.0	107	----	----	
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	----	----	
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	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Organochlorine Pesticides										
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	----	----	
Oxychlorane	27304-13-8	E660F/WT	0.0080	µg/L	----	<0.0080	<0.0080	----	----	
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	%	----	118	98.8	----	----	
Tetrachloro-m-xylene	877-09-8	E660F/WT	0.10	%	----	100	78.5	----	----	
Herbicides										
Alachlor	15972-60-8	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
AMPA	74341-63-2	E716A/WT	0.50	µg/L	----	<0.50 ^{PNS}	<50.0 ^{DLL PNS}	----	----	
Atrazine	1912-24-9	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Atrazine + N-dealkylated metabolites	----	E755/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Atrazine-desethyl	6190-65-4	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Cyanazine	21725-46-2	E755/WT	0.100	µg/L	----	<1.00 ^{DLM}	<0.100	----	----	
Diclofop-methyl	51338-27-3	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Dinoseb	88-85-7	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Herbicides										
Diuron	330-54-1	E755/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Glyphosate	1071-83-6	E716A/WT	0.20	µg/L	----	<0.20 ^{PNS}	<2.00 ^{DLI, PNS}	----	----	
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	----	----	
Prometryn	7287-19-6	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Simazine	122-34-9	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
Triallate	2303-17-5	E755/WT	0.100	µg/L	----	<0.100	<0.100	----	----	
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	%	----	120	92.2	----	----	
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	----	----	
Chlorpyrifos	2921-88-2	E756/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	----	----	
Malathion	121-75-5	E755/WT	0.0250	µg/L	----	<0.0250	<0.0250	----	----	
Parathion	56-38-2	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	----	----	
Pesticides										
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Bromoxynil	1689-84-5	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
Dicamba	1918-00-9	E706A/WT	0.10	µg/L	----	<0.10	<0.10	----	----	
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	FCWT-Treated Water Lab Sink	FCWTP-Raw Water Chamber	FCWTP-R1-915 0030 Willy's	----	----
Client sampling date / time					02-Apr-2024 07:44	02-Apr-2024 08:05	02-Apr-2024 08:55	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2400764-001	FC2400764-002	FC2400764-003	-----	-----	
					Result	Result	Result	----	----	
Pesticides										
Diquat (ion)	2764-72-9	E723A/WT	1.0	µg/L	----	<1.0	<1.0	----	----	
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	----	<0.10	<0.10	----	----	
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	E706A/WT	0.050	µg/L	----	<0.050	<0.050	----	----	
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	%	----	104	98.7	----	----	
Organic Parameters										
Dichlorophenol, 2,4-	120-83-2	E651D/WT	0.30	µg/L	----	<0.30	<0.30	----	----	
Pentachlorophenol [PCP]	87-86-5	E651D/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Tetrachlorophenol, 2,3,4,6-	58-90-2	E651D/WT	0.50	µg/L	----	<0.50	<0.50	----	----	
Trichlorophenol, 2,4,6-	88-06-2	E651D/WT	0.50	µg/L	----	<0.50	<0.50	----	----	

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	: FC2400764	Page	: 1 of 23
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 + SC4 R1 + Table 1 Treated	Date Samples Received	: 03-Apr-2024 08:02
PO	: 4500055977	Date Analysis Commenced	: 03-Apr-2024
C-O-C number	: ----	Issue Date	: 26-Apr-2024 11:04
Sampler	: GS		
Site	: ----		
Quote number	: RMWB WTP SC4		
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
Brayden Ginther	Laboratory Analyst	Metals, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Dan Nguyen	Team Leader - Inorganics	Metals, Edmonton, Alberta
Geoff Berg	Lab Analyst	Organics, Edmonton, Alberta
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Hannah Phung	Lab Assistant	Inorganics, Calgary, Alberta
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Kari Mulroy	Lab Supervisor - Environmental	Organics, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
Nik Perkio	Inorganics Analyst	Inorganics, Waterloo, Ontario
Remy Gatabazi	Lab Analyst	Organics, Edmonton, Alberta
Sanja Risticovic	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



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.

Workorder Comments

Added sample times / Corrected due date

Qualifiers

<i>Qualifier</i>	<i>Description</i>
DLI	<i>Detection Limit Raised: Dilution required to address Internal Standard response problems caused by matrix interference.</i>
DLM	<i>Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).</i>
PEHR	<i>Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.</i>
PNS	<i>Test performed on non-preserved sample</i>



Analytical Results

FC2400764-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWT-Treated Water Lab Sink

Client sampling date / time: 02-Apr-2024 07:44

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Hardness (as CaCO ₃), dissolved	----	35.2	0.50	mg/L	EC100/EO	-	05-Apr-2024	-
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	09-Apr-2024	-
Conductivity	----	147	2.0	µS/cm	E100/EO	04-Apr-2024	04-Apr-2024	1390317
pH	----	8.29	0.10	pH units	E108/EO	04-Apr-2024	04-Apr-2024	1390316
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	65.6	1.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, carbonate (as CO ₃)	3812-32-6	<1.0	1.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, total (as CaCO ₃)	----	53.8	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Solids, total dissolved [TDS], calculated	----	88.0	1.0	mg/L	EC103/EO	-	04-Apr-2024	-
Anions and Nutrients								
Chloride	16887-00-6	14.8	0.50	mg/L	E235.Cl/EO	03-Apr-2024	03-Apr-2024	1389613
Fluoride	16984-48-8	0.022	0.020	mg/L	E235.F/EO	03-Apr-2024	03-Apr-2024	1389610
Nitrate (as N)	14797-55-8	0.080	0.020	mg/L	E235.NO3/EO	03-Apr-2024	03-Apr-2024	1389611
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	03-Apr-2024	03-Apr-2024	1389614
Sulfate (as SO ₄)	14808-79-8	3.83	0.30	mg/L	E235.SO4/EO	03-Apr-2024	03-Apr-2024	1389612
Nitrate + Nitrite (as N)	----	0.0800	0.05	mg/L	EC235.N+N/EO	-	04-Apr-2024	-
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	09-Apr-2024	1395709
Sulfide, total (as H ₂ S)	7783-06-4	<0.0016	0.0016	mg/L	E395/VA	-	09-Apr-2024	1395709
Ion Balance								
Anion sum	----	1.58	0.10	meq/L	EC101/EO	-	04-Apr-2024	-
Cation sum	----	1.48	0.10	meq/L	EC101/EO	-	04-Apr-2024	-
Ion balance (APHA)	----	-3.27	0.01	%	EC101/EO	-	04-Apr-2024	-
Ion balance (cations/anions)	----	93.7	0.010	%	EC101/EO	-	04-Apr-2024	-
Total Metals								
Aluminum, total	7429-90-5	0.0208	0.0030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Arsenic, total	7440-38-2	0.00013	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Barium, total	7440-39-3	0.0176	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Boron, total	7440-42-8	0.030	0.010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Calcium, total	7440-70-2	9.40	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Chromium, total	7440-47-3	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Copper, total	7440-50-8	0.00188	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Lithium, total	7439-93-2	0.0034	0.0010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Magnesium, total	7439-95-4	2.78	0.0050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Manganese, total	7439-96-5	0.00201	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Molybdenum, total	7439-98-7	0.000238	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602



Analytical Results

FC2400764-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWT-Treated Water Lab Sink

Client sampling date / time: 02-Apr-2024 07:44

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	04-Apr-2024	04-Apr-2024	1389602
Potassium, total	7440-09-7	1.05	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Rubidium, total	7440-17-7	0.00094	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Silicon, total	7440-21-3	2.39	0.10	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Sodium, total	7440-23-5	17.5	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Strontium, total	7440-24-6	0.0626	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Sulfur, total	7704-34-9	1.32	0.50	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tin, total	7440-31-5	0.00019	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0173	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Arsenic, dissolved	7440-38-2	0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Barium, dissolved	7440-39-3	0.0175	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Boron, dissolved	7440-42-8	0.013	0.010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Calcium, dissolved	7440-70-2	9.60	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Copper, dissolved	7440-50-8	0.00050	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Lithium, dissolved	7439-93-2	0.0033	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Magnesium, dissolved	7439-95-4	2.74	0.0050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Manganese, dissolved	7439-96-5	0.00173	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Molybdenum, dissolved	7439-98-7	0.000153	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Potassium, dissolved	7440-09-7	1.01	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Rubidium, dissolved	7440-17-7	0.00100	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Silicon, dissolved	7440-21-3	2.31	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603



Analytical Results

FC2400764-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWT-Treated Water Lab Sink

Client sampling date / time: 02-Apr-2024 07:44

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/LOT
Dissolved Metals								
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Sodium, dissolved	7440-23-5	17.1	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Strontium, dissolved	7440-24-6	0.0626	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Sulfur, dissolved	7704-34-9	1.35	0.50	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Zinc, dissolved	7440-66-6	0.0017	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	04-Apr-2024	1389603
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	05-Apr-2024	05-Apr-2024	1392027
Volatile Organic Compounds [Fuels]								
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	05-Apr-2024	05-Apr-2024	1390853
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	05-Apr-2024	05-Apr-2024	1390852
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	07-Apr-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	114	1.0	%	E601/EO	05-Apr-2024	05-Apr-2024	1392244
Dichlorotoluene, 3,4-	95-75-0	109	1.0	%	E581.F1/EO	05-Apr-2024	05-Apr-2024	1390852
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	78.7	1.0	%	E611A/EO	05-Apr-2024	05-Apr-2024	1390853
Difluorobenzene, 1,4-	540-36-3	93.7	1.0	%	E611A/EO	05-Apr-2024	05-Apr-2024	1390853
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245



Analytical Results

FC2400764-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWT-Treated Water Lab Sink

Client sampling date / time: 02-Apr-2024 07:44

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	117	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Naphthalene-d8	1146-65-2	97.7	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Phenanthrene-d10	1517-22-2	118	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245

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

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as CaCO3)	----	34.1	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, carbonate (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, hydroxide (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, phenolphthalein (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, total (as CaCO3)	----	34.1	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Colour, true	----	5.1	5.0	CU	E329/CG	04-Apr-2024	04-Apr-2024	1390659
Conductivity	----	82.3	2.0	µS/cm	E100/EO	04-Apr-2024	04-Apr-2024	1390317
Hardness (as CaCO3), from total Ca/Mg	----	33.3	0.50	mg/L	EC100A/EO	-	05-Apr-2024	-
pH	----	7.46	0.10	pH units	E108/EO	04-Apr-2024	04-Apr-2024	1390316
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	09-Apr-2024	-
Solids, total dissolved [TDS]	----	60	20	mg/L	E162/EO	-	05-Apr-2024	1391124
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	<0.0050	0.0050	mg/L	E298/EO	05-Apr-2024	05-Apr-2024	1391962
Chloride	16887-00-6	3.86	0.50	mg/L	E235.Cl/EO	03-Apr-2024	03-Apr-2024	1389613



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Anions and Nutrients								
Fluoride	16984-48-8	0.060	0.020	mg/L	E235.F/EO	03-Apr-2024	03-Apr-2024	1389610
Nitrate (as N)	14797-55-8	0.076	0.020	mg/L	E235.NO3/EO	03-Apr-2024	03-Apr-2024	1389611
Nitrate + Nitrite (as N)	----	0.0760	0.0224	mg/L	EC235.N+N/EO	-	04-Apr-2024	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	03-Apr-2024	03-Apr-2024	1389614
Sulfate (as SO4)	14808-79-8	4.20	0.30	mg/L	E235.SO4/EO	03-Apr-2024	03-Apr-2024	1389612
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0020	0.0020	mg/L	E333/WT	05-Apr-2024	05-Apr-2024	1391954
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	5.14	0.50	mg/L	E355-L/EO	05-Apr-2024	05-Apr-2024	1392895
Inorganics								
Chloramines, total (as Cl2)	----	<0.20	0.20	mg/L	EC326/EO	-	05-Apr-2024	-
Chlorine, free	7782-50-5	<0.050 ^{PEHR}	0.050	mg/L	E327/WT	-	05-Apr-2024	1391792
Chlorine, total	7782-50-5	<0.050 ^{PEHR}	0.050	mg/L	E326/WT	-	05-Apr-2024	1391791
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	04-Apr-2024	04-Apr-2024	1390546
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	09-Apr-2024	1395709
Sulfide, total (as H2S)	7783-06-4	<0.0016	0.0016	mg/L	E395/VA	-	09-Apr-2024	1395709
Total Metals								
Aluminum, total	7429-90-5	0.0685	0.0030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Arsenic, total	7440-38-2	0.00025	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Barium, total	7440-39-3	0.0176	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Boron, total	7440-42-8	0.017	0.010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Calcium, total	7440-70-2	8.71	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cesium, total	7440-46-2	0.000011	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Copper, total	7440-50-8	0.00188	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Iron, total	7439-89-6	0.093	0.010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Lead, total	7439-92-1	0.000052	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Lithium, total	7439-93-2	0.0032	0.0010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Magnesium, total	7439-95-4	2.81	0.0050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Manganese, total	7439-96-5	0.00296	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Mercury, total	7439-97-6	<0.0050	0.0050	µg/L	E508/EO	04-Apr-2024	04-Apr-2024	1390377
Molybdenum, total	7439-98-7	0.000242	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Nickel, total	7440-02-0	0.00076	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Potassium, total	7440-09-7	1.06	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Rubidium, total	7440-17-7	0.00108	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Silicon, total	7440-21-3	2.62	0.10	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Total Metals								
Sodium, total	7440-23-5	3.17	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Strontium, total	7440-24-6	0.0622	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Sulfur, total	7704-34-9	1.44	0.50	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tin, total	7440-31-5	0.00018	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Titanium, total	7440-32-6	0.00178	0.00030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Uranium, total	7440-61-1	0.000076	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0049	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Arsenic, dissolved	7440-38-2	0.00020	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Barium, dissolved	7440-39-3	0.0172	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Boron, dissolved	7440-42-8	0.012	0.010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Calcium, dissolved	7440-70-2	8.93	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Copper, dissolved	7440-50-8	0.00096	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Lithium, dissolved	7439-93-2	0.0031	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Magnesium, dissolved	7439-95-4	2.74	0.0050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Manganese, dissolved	7439-96-5	0.00180	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Molybdenum, dissolved	7439-98-7	0.000210	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Potassium, dissolved	7440-09-7	0.996	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Rubidium, dissolved	7440-17-7	0.00092	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Silicon, dissolved	7440-21-3	2.45	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Sodium, dissolved	7440-23-5	3.13	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Strontium, dissolved	7440-24-6	0.0621	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Sulfur, dissolved	7704-34-9	1.28	0.50	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC Lot
Dissolved Metals								
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Uranium, dissolved	7440-61-1	0.000066	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	04-Apr-2024	1389603
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	05-Apr-2024	05-Apr-2024	1392027
Nitritotriacetic acid [NTA]	139-13-9	<0.40	0.40	mg/L	E394/WT	-	10-Apr-2024	1397929
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromobenzene	108-86-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromochloromethane	74-97-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromodichloromethane	75-27-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromoform	75-25-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromomethane	74-83-9	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Butylbenzene, n-	104-51-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Butylbenzene, sec-	135-98-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Butylbenzene, tert-	98-06-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chloroethane	75-00-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chloroform	67-66-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chloromethane	74-87-3	<5.0	5.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chlorotoluene, 2-	95-49-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chlorotoluene, 4-	106-43-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Cymene, p-	99-87-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromo-3-chloropropane, 1,2-	96-12-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromochloromethane	124-48-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromoethane, 1,2-	106-93-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromomethane	74-95-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorobenzene, 1,3-	541-73-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorodifluoromethane	75-71-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethane, 1,1-	75-34-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethylene, 1,1-	75-35-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethylene, cis-1,2-	156-59-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethylene, trans-1,2-	156-60-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropane, 1,2-	78-87-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds								
Dichloropropane, 1,3-	142-28-9	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropane, 2,2-	594-20-7	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, 1,1-	563-58-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, cis+trans-1,3-	542-75-6	<1.5	1.5	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, cis-1,3-	10061-01-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, trans-1,3-	10061-02-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	05-Apr-2024	05-Apr-2024	1392601
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Hexachlorobutadiene	87-68-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Isopropylbenzene	98-82-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Propylbenzene, n-	103-65-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Styrene	100-42-5	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Tetrachloroethane, 1,1,1,2-	630-20-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Tetrachloroethane, 1,1,2,2-	79-34-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichlorobenzene, 1,2,3-	87-61-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichlorobenzene, 1,2,4-	120-82-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloroethane, 1,1,1-	71-55-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloroethane, 1,1,2-	79-00-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichlorofluoromethane	75-69-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloropropane, 1,2,3-	96-18-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trimethylbenzene, 1,2,4-	95-63-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trimethylbenzene, 1,3,5-	108-67-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
BTEX, total	----	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trihalomethanes [THMs], total	----	<2.0	2.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Volatile Organic Compounds [Fuels]								
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	04-Apr-2024	05-Apr-2024	1390403
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	04-Apr-2024	05-Apr-2024	1390404
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	08-Apr-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	110	1.0	%	E601/EO	05-Apr-2024	05-Apr-2024	1392244
Dichlorotoluene, 3,4-	95-75-0	97.3	1.0	%	E581.F1/EO	04-Apr-2024	05-Apr-2024	1390404



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	73.3	1.0	%	E611A/EO	04-Apr-2024	05-Apr-2024	1390403
Bromofluorobenzene, 4-	460-00-4	73.3	1.0	%	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromofluorobenzene, 4-	460-00-4	104	1.0	%	E611I/WT	05-Apr-2024	05-Apr-2024	1392601
Difluorobenzene, 1,4-	540-36-3	77.6	1.0	%	E611A/EO	04-Apr-2024	05-Apr-2024	1390403
Difluorobenzene, 1,4-	540-36-3	77.6	1.0	%	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Difluorobenzene, 1,4-	540-36-3	100	1.0	%	E611I/WT	05-Apr-2024	05-Apr-2024	1392601
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(b+j)fluoranthene	n/a	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Dibenzofuran	132-64-9	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Perylene	198-55-0	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	124	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Naphthalene-d8	1146-65-2	109	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Phenanthrene-d10	1517-22-2	128	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Disinfectant By-Products								
Bromate	15541-45-4	<0.00030	0.00030	mg/L	E722A/WT	04-Apr-2024	05-Apr-2024	1390292
Chlorate	14866-68-3	<0.010	0.010	mg/L	E409.CLO3/WT	04-Apr-2024	04-Apr-2024	1390545
Phthalate Esters								



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Phthalate Esters								
Diethyl phthalate	84-66-2	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dimethyl phthalate	131-11-3	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Di-n-butyl phthalate	84-74-2	<1.0	1.0	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Di-n-octyl phthalate [DNOP]	117-84-0	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Semi-Volatile Organics								
Biphenyl	92-52-4	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzene, 1,2-	95-50-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzene, 1,3-	541-73-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzene, 1,4-	106-46-7	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzidine, 3,3'-	91-94-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrotoluene, 2,4-	121-14-2	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrotoluene, 2,6-	606-20-2	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Diphenyl ether	101-84-8	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachlorobenzene	118-74-1	<0.040	0.040	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachlorobutadiene	87-68-3	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachlorocyclopentadiene	77-47-4	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachloroethane	67-72-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorobenzene, 1,2,3-	87-61-6	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorobenzene, 1,2,4-	120-82-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrotoluene, 2,4 + 2,6-	n/a	<0.60	0.6	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	93.0	1.0	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Nitrobenzene-d5	4165-60-0	99.9	1.0	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Terphenyl-d14, p-	1718-51-0	98.1	1.0	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Chlorinated Phenolics								
Dichlorophenol, 2,4-	120-83-2	<0.30	0.30	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorophenol, 2,6-	87-65-0	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Tetrachlorophenol, 2,3,4,5-	4901-51-3	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Tetrachlorophenol, 2,3,5,6-	935-95-5	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,3,4-	15950-66-0	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,3,5-	933-78-8	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,4,5-	95-95-4	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,4,6-	88-06-2	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Non-Chlorinated Phenolics								
Dimethylphenol, 2,4-	105-67-9	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrophenol, 2,4-	51-28-5	<1.0	1.0	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenol	108-95-2	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenol, 2-methyl-4,6-dinitro- [DNOC]	534-52-1	<2.0	2.0	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	96.0	1.0	%	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Tribromophenol, 2,4,6-	118-79-6	105	0.50	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Organochlorine Pesticides								
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Organochlorine Pesticides								
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDD, total	----	<0.0060	0.006	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDE, total	----	<0.0060	0.006	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT, total	----	<0.0060	0.006	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan sulfate	1031-07-8	<0.0070	0.0070	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan, alpha-	959-98-8	<0.0070	0.0070	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan, beta-	33213-65-9	<0.0070	0.0070	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan, total	----	<0.010	0.01	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endrin	72-20-8	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endrin aldehyde	7421-93-4	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorobenzene	118-74-1	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorobutadiene	87-68-3	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, alpha-	319-84-6	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, beta-	319-85-7	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, delta-	319-86-8	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, gamma-	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, total	608-73-1	<0.016	0.016	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachloroethane	67-72-1	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Mirex	2385-85-5	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Nonachlor, trans-	39765-80-5	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Oxychlordane	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Pentachloronitrobenzene	82-68-8	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT + metabolites, total	----	<0.010	0.01	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	118	0.10	%	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Tetrachloro-m-xylene	877-09-8	100	0.10	%	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Herbicides								
Alachlor	15972-60-8	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
AMPA	74341-63-2	<0.50	^{PNS} 0.50	µg/L	E716A/WT	04-Apr-2024	09-Apr-2024	1390613
Atrazine	1912-24-9	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Atrazine + N-dealkylated metabolites	----	<0.10	0.1	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Herbicides								
Atrazine-desethyl	6190-65-4	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Cyanazine	21725-46-2	<1.00 ^{DLM}	1.00	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Diclofop-methyl	51338-27-3	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Diuron	330-54-1	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Glyphosate	1071-83-6	<0.20 ^{PNS}	0.20	µg/L	E716A/WT	04-Apr-2024	09-Apr-2024	1390613
Metolachlor	51218-45-2	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Metribuzin	21087-64-9	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Prometryn	7287-19-6	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Simazine	122-34-9	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Triallate	2303-17-5	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Trifluralin	1582-09-8	<0.10	0.10	µg/L	E756/WT	05-Apr-2024	08-Apr-2024	1391903
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	120	1.0	%	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Insecticides								
Aldicarb	116-06-3	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Azinphos-methyl	86-50-0	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Bendiocarb	22781-23-3	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Carbaryl	63-25-2	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Carbofuran	1563-66-2	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Chlorpyrifos	2921-88-2	<0.10	0.10	µg/L	E756/WT	05-Apr-2024	08-Apr-2024	1391903
Diazinon	333-41-5	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Dimethoate	60-51-5	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Malathion	121-75-5	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Parathion	56-38-2	<0.10	0.10	µg/L	E756/WT	05-Apr-2024	08-Apr-2024	1391903
Phorate	298-02-2	<0.250	0.250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Temephos	3383-96-8	<0.250	0.250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Terbufos	13071-79-9	<0.50	0.50	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Pesticides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Bromoxynil	1689-84-5	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Dicamba	1918-00-9	<0.10	0.10	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	09-Apr-2024	09-Apr-2024	1395333
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	09-Apr-2024	09-Apr-2024	1395333
Picloram	1918-02-1	<0.10	0.10	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Nitrosamines								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.034	0.034	µg/L	E725A/WT	05-Apr-2024	05-Apr-2024	1391818
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	104	0.10	%	E725A/WT	05-Apr-2024	05-Apr-2024	1391818
Organic Parameters								
Dichlorophenol, 2,4-	120-83-2	<0.30	0.30	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990



Analytical Results

FC2400764-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-Raw Water Chamber

Client sampling date / time: 02-Apr-2024 08:05

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Organic Parameters								
Trichlorophenol, 2,4,6-	88-06-2	<0.50	0.50	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990

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

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as CaCO3)	----	52.3	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, carbonate (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, hydroxide (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, phenolphthalein (as CaCO3)	----	<2.0	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Alkalinity, total (as CaCO3)	----	52.3	2.0	mg/L	E290/EO	04-Apr-2024	04-Apr-2024	1390318
Colour, true	----	<5.0	5.0	CU	E329/CG	04-Apr-2024	04-Apr-2024	1390659
Conductivity	----	147	2.0	µS/cm	E100/EO	04-Apr-2024	04-Apr-2024	1390317
Hardness (as CaCO3), from total Ca/Mg	----	34.8	0.50	mg/L	EC100A/EO	-	05-Apr-2024	-
pH	----	8.23	0.10	pH units	E108/EO	04-Apr-2024	04-Apr-2024	1390316
Solids, total dissolved [TDS]	----	82	20	mg/L	E162/EO	-	05-Apr-2024	1391124
Anions and Nutrients								
Ammonia, total (as N)	7664-41-7	<0.0050	0.0050	mg/L	E298/EO	05-Apr-2024	05-Apr-2024	1391962
Chloride	16887-00-6	14.8	0.50	mg/L	E235.Cl/EO	03-Apr-2024	03-Apr-2024	1389613
Fluoride	16984-48-8	0.021	0.020	mg/L	E235.F/EO	03-Apr-2024	03-Apr-2024	1389610
Nitrate (as N)	14797-55-8	0.078	0.020	mg/L	E235.NO3/EO	03-Apr-2024	03-Apr-2024	1389611
Nitrate + Nitrite (as N)	----	0.0780	0.0224	mg/L	EC235.N+N/EO	-	04-Apr-2024	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	03-Apr-2024	03-Apr-2024	1389614
Sulfate (as SO4)	14808-79-8	3.82	0.30	mg/L	E235.SO4/EO	03-Apr-2024	03-Apr-2024	1389612
Cyanides								
Cyanide, strong acid dissociable (Total)	----	<0.0020	0.0020	mg/L	E333/WT	05-Apr-2024	05-Apr-2024	1391954
Organic / Inorganic Carbon								
Carbon, total organic [TOC]	----	2.82	0.50	mg/L	E355-L/EO	05-Apr-2024	05-Apr-2024	1392895
Inorganics								
Chloramines, total (as Cl2)	----	<0.20	0.20	mg/L	EC326/EO	-	05-Apr-2024	-
Chlorine, free	7782-50-5	0.880 ^{PEHR}	0.050	mg/L	E327/WT	-	05-Apr-2024	1391792
Chlorine, total	7782-50-5	0.940 ^{PEHR}	0.050	mg/L	E326/WT	-	05-Apr-2024	1391791
Chlorite	14998-27-7	<0.010	0.010	mg/L	E409.CLO2/WT	04-Apr-2024	04-Apr-2024	1390546
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	-	09-Apr-2024	1395709
Sulfide, total (as H2S)	7783-06-4	<0.0016	0.0016	mg/L	E395/VA	-	09-Apr-2024	1395709
Total Metals								
Aluminum, total	7429-90-5	0.0202	0.0030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Total Metals								
Arsenic, total	7440-38-2	0.00014	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Barium, total	7440-39-3	0.0169	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Boron, total	7440-42-8	0.014	0.010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cadmium, total	7440-43-9	<0.0050	0.0050	µg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Calcium, total	7440-70-2	9.34	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Copper, total	7440-50-8	0.00192	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Lithium, total	7439-93-2	0.0031	0.0010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Magnesium, total	7439-95-4	2.80	0.0050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Manganese, total	7439-96-5	0.00148	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Mercury, total	7439-97-6	<0.0050	0.0050	µg/L	E508/EO	04-Apr-2024	04-Apr-2024	1390377
Molybdenum, total	7439-98-7	0.000221	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Potassium, total	7440-09-7	1.05	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Rubidium, total	7440-17-7	0.00090	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Silicon, total	7440-21-3	2.35	0.10	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Sodium, total	7440-23-5	17.5	0.050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Strontium, total	7440-24-6	0.0628	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Sulfur, total	7704-34-9	1.29	0.50	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tin, total	7440-31-5	0.00020	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	04-Apr-2024	04-Apr-2024	1389602
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0193	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Arsenic, dissolved	7440-38-2	0.00012	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Barium, dissolved	7440-39-3	0.0173	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Dissolved Metals								
Boron, dissolved	7440-42-8	0.011	0.010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cadmium, dissolved	7440-43-9	<0.0050	0.0050	µg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Calcium, dissolved	7440-70-2	9.58	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Copper, dissolved	7440-50-8	0.00061	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Lithium, dissolved	7439-93-2	0.0030	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Magnesium, dissolved	7439-95-4	2.72	0.0050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Manganese, dissolved	7439-96-5	0.00123	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Molybdenum, dissolved	7439-98-7	0.000138	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Potassium, dissolved	7440-09-7	1.00	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Rubidium, dissolved	7440-17-7	0.00091	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Silicon, dissolved	7440-21-3	2.29	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Sodium, dissolved	7440-23-5	16.7	0.050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Strontium, dissolved	7440-24-6	0.0618	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Sulfur, dissolved	7704-34-9	1.08	0.50	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Zinc, dissolved	7440-66-6	0.0014	0.0010	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/EO	04-Apr-2024	04-Apr-2024	1389603
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	04-Apr-2024	1389603
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	05-Apr-2024	05-Apr-2024	1392027
Nitriiotriacetic acid [NTA]	139-13-9	<0.40	0.40	mg/L	E394/WT	-	10-Apr-2024	1397929
Volatile Organic Compounds								
Benzene	71-43-2	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromobenzene	108-86-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromochloromethane	74-97-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromodichloromethane	75-27-4	7.3	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromoform	75-25-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromomethane	74-83-9	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Butylbenzene, n-	104-51-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Volatile Organic Compounds								
Butylbenzene, sec-	135-98-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Butylbenzene, tert-	98-06-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Carbon tetrachloride	56-23-5	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chlorobenzene	108-90-7	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chloroethane	75-00-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chloroform	67-66-3	10.9	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chloromethane	74-87-3	<5.0	5.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chlorotoluene, 2-	95-49-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Chlorotoluene, 4-	106-43-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Cymene, p-	99-87-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromo-3-chloropropane, 1,2-	96-12-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromochloromethane	124-48-1	5.4	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromoethane, 1,2-	106-93-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dibromomethane	74-95-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorobenzene, 1,2-	95-50-1	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorobenzene, 1,3-	541-73-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorobenzene, 1,4-	106-46-7	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichlorodifluoromethane	75-71-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethane, 1,1-	75-34-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethane, 1,2-	107-06-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethylene, 1,1-	75-35-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethylene, cis-1,2-	156-59-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloroethylene, trans-1,2-	156-60-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloromethane	75-09-2	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropane, 1,2-	78-87-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropane, 1,3-	142-28-9	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropane, 2,2-	594-20-7	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, 1,1-	563-58-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, cis+trans-1,3-	542-75-6	<1.5	1.5	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, cis-1,3-	10061-01-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dichloropropylene, trans-1,3-	10061-02-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Dioxane, 1,4-	123-91-1	<20	20	µg/L	E611I/WT	05-Apr-2024	05-Apr-2024	1392601
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Hexachlorobutadiene	87-68-3	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Isopropylbenzene	98-82-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Methyl-tert-butyl ether [MTBE]	1634-04-4	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Propylbenzene, n-	103-65-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Styrene	100-42-5	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Tetrachloroethane, 1,1,1,2-	630-20-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Tetrachloroethane, 1,1,2,2-	79-34-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Tetrachloroethylene	127-18-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Toluene	108-88-3	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichlorobenzene, 1,2,3-	87-61-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichlorobenzene, 1,2,4-	120-82-1	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloroethane, 1,1,1-	71-55-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
Volatile Organic Compounds								
Trichloroethane, 1,1,2-	79-00-5	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloroethylene	79-01-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichlorofluoromethane	75-69-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trichloropropane, 1,2,3-	96-18-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trimethylbenzene, 1,2,4-	95-63-6	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trimethylbenzene, 1,3,5-	108-67-8	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Vinyl chloride	75-01-4	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
BTEX, total	----	<1.0	1.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Trihalomethanes [THMs], total	----	23.6	2.0	µg/L	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Volatile Organic Compounds [Fuels]								
BTEX+Styrene, total	n/a	<1.5	1.5	µg/L	E611A/EO	04-Apr-2024	05-Apr-2024	1390403
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	04-Apr-2024	05-Apr-2024	1390404
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	08-Apr-2024	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
TEH (C10-C50)	n/a	<400	400	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
TEH (C16-C50)	----	<400	400	µg/L	E601/EO	05-Apr-2024	05-Apr-2024	1392244
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	111	1.0	%	E601/EO	05-Apr-2024	05-Apr-2024	1392244
Dichlorotoluene, 3,4-	95-75-0	97.9	1.0	%	E581.F1/EO	04-Apr-2024	05-Apr-2024	1390404
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	81.3	1.0	%	E611A/EO	04-Apr-2024	05-Apr-2024	1390403
Bromofluorobenzene, 4-	460-00-4	81.3	1.0	%	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Bromofluorobenzene, 4-	460-00-4	105	1.0	%	E611I/WT	05-Apr-2024	05-Apr-2024	1392601
Difluorobenzene, 1,4-	540-36-3	83.5	1.0	%	E611A/EO	04-Apr-2024	05-Apr-2024	1390403
Difluorobenzene, 1,4-	540-36-3	83.5	1.0	%	E611E/EO	04-Apr-2024	05-Apr-2024	1390405
Difluorobenzene, 1,4-	540-36-3	100	1.0	%	E611I/WT	05-Apr-2024	05-Apr-2024	1392601
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(b+j)fluoranthene	n/a	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Polycyclic Aromatic Hydrocarbons								
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Dibenzofuran	132-64-9	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Perylene	198-55-0	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	114	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Naphthalene-d8	1146-65-2	93.6	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Phenanthrene-d10	1517-22-2	116	0.1	%	E641A/EO	05-Apr-2024	05-Apr-2024	1392245
Disinfectant By-Products								
Bromate	15541-45-4	<0.00030	0.00030	mg/L	E722A/WT	04-Apr-2024	05-Apr-2024	1390292
Chlorate	14866-68-3	0.055	0.010	mg/L	E409.CLO3/WT	04-Apr-2024	04-Apr-2024	1390545
Phthalate Esters								
Diethyl phthalate	84-66-2	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dimethyl phthalate	131-11-3	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Di-n-butyl phthalate	84-74-2	<1.0	1.0	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Di-n-octyl phthalate [DNOP]	117-84-0	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Semi-Volatile Organics								
Biphenyl	92-52-4	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzene, 1,2-	95-50-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzene, 1,3-	541-73-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzene, 1,4-	106-46-7	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorobenzidine, 3,3'-	91-94-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrotoluene, 2,4-	121-14-2	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrotoluene, 2,6-	606-20-2	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Diphenyl ether	101-84-8	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachlorobenzene	118-74-1	<0.040	0.040	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachlorobutadiene	87-68-3	<0.20	0.20	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachlorocyclopentadiene	77-47-4	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Hexachloroethane	67-72-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorobenzene, 1,2,3-	87-61-6	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorobenzene, 1,2,4-	120-82-1	<0.40	0.40	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Semi-Volatile Organics								
Dinitrotoluene, 2,4 + 2,6-	n/a	<0.60	0.6	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Semi-Volatile Organics Surrogates								
Fluorobiphenyl, 2-	321-60-8	84.1	1.0	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Nitrobenzene-d5	4165-60-0	91.4	1.0	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Terphenyl-d14, p-	1718-51-0	87.5	1.0	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Chlorinated Phenolics								
Dichlorophenol, 2,4-	120-83-2	<0.30	0.30	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dichlorophenol, 2,6-	87-65-0	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Tetrachlorophenol, 2,3,4,5-	4901-51-3	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Tetrachlorophenol, 2,3,5,6-	935-95-5	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,3,4-	15950-66-0	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,3,5-	933-78-8	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,4,5-	95-95-4	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Trichlorophenol, 2,4,6-	88-06-2	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Non-Chlorinated Phenolics								
Dimethylphenol, 2,4-	105-67-9	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Dinitrophenol, 2,4-	51-28-5	<1.0	1.0	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenol	108-95-2	<0.50	0.50	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenol, 2-methyl-4,6-dinitro- [DNOC]	534-52-1	<2.0	2.0	µg/L	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Phenolics Surrogates								
Tribromophenol, 2,4,6-	118-79-6	107	1.0	%	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Tribromophenol, 2,4,6-	118-79-6	103	0.50	%	E655B/WT	04-Apr-2024	05-Apr-2024	1390950
Organochlorine Pesticides								
Aldrin	309-00-2	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Chlordane, cis- (alpha)	5103-71-9	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Chlordane, total	57-74-9	<0.011	0.011	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Chlordane, trans- (gamma)	5103-74-2	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDD, 2,4'-	53-19-0	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDD, 4,4'-	72-54-8	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDD, total	----	<0.0060	0.006	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDE, 2,4'-	3424-82-6	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDE, 4,4'-	72-55-9	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDE, total	----	<0.0060	0.006	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT, 2,4'-	789-02-6	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT, 4,4'-	50-29-3	<0.0040	0.0040	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT, total	----	<0.0060	0.006	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Dieldrin	60-57-1	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan sulfate	1031-07-8	<0.0070	0.0070	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan, alpha-	959-98-8	<0.0070	0.0070	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan, beta-	33213-65-9	<0.0070	0.0070	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endosulfan, total	----	<0.010	0.01	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endrin	72-20-8	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Endrin aldehyde	7421-93-4	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Organochlorine Pesticides								
Heptachlor	76-44-8	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Heptachlor epoxide	1024-57-3	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorobenzene	118-74-1	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorobutadiene	87-68-3	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, alpha-	319-84-6	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, beta-	319-85-7	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, delta-	319-86-8	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, gamma-	58-89-9	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachlorocyclohexane, total	608-73-1	<0.016	0.016	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Hexachloroethane	67-72-1	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Methoxychlor	72-43-5	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Mirex	2385-85-5	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Nonachlor, trans-	39765-80-5	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Oxychlorane	27304-13-8	<0.0080	0.0080	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Pentachloronitrobenzene	82-68-8	<0.010	0.010	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Aldrin + Dieldrin	----	<0.011	0.011	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
DDT + metabolites, total	----	<0.010	0.01	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Heptachlor + Heptachlor epoxide	n/a	<0.011	0.011	µg/L	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Organochlorine Pesticides Surrogates								
Decachlorobiphenyl	2051-24-3	98.8	0.10	%	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Tetrachloro-m-xylene	877-09-8	78.5	0.10	%	E660F/WT	08-Apr-2024	09-Apr-2024	1394640
Herbicides								
Alachlor	15972-60-8	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
AMPA	74341-63-2	<50.0	50.0	µg/L	E716A/WT	04-Apr-2024	11-Apr-2024	1390613
Atrazine	1912-24-9	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Atrazine + N-dealkylated metabolites	----	<0.10	0.1	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Atrazine-desethyl	6190-65-4	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Cyanazine	21725-46-2	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Diclofop-methyl	51338-27-3	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Dinoseb	88-85-7	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Diuron	330-54-1	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Glyphosate	1071-83-6	<2.00	2.00	µg/L	E716A/WT	04-Apr-2024	09-Apr-2024	1390613
Metolachlor	51218-45-2	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Metribuzin	21087-64-9	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Prometryn	7287-19-6	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Simazine	122-34-9	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Triallate	2303-17-5	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Trifluralin	1582-09-8	<0.10	0.10	µg/L	E756/WT	05-Apr-2024	08-Apr-2024	1391903
Herbicides Surrogates								
Dichlorophenylacetic acid, 2,4-	19719-28-9	92.2	1.0	%	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Insecticides								
Aldicarb	116-06-3	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Azinphos-methyl	86-50-0	<0.100	0.100	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Bendiocarb	22781-23-3	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Carbaryl	63-25-2	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347



Analytical Results

FC2400764-003

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: FCWTP-R1-9150030 - Willy's

Client sampling date / time: 02-Apr-2024 08:55

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Insecticides								
Carbofuran	1563-66-2	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Chlorpyrifos	2921-88-2	<0.10	0.10	µg/L	E756/WT	05-Apr-2024	08-Apr-2024	1391903
Diazinon	333-41-5	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Dimethoate	60-51-5	<0.050	0.050	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Malathion	121-75-5	<0.0250	0.0250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Parathion	56-38-2	<0.10	0.10	µg/L	E756/WT	05-Apr-2024	08-Apr-2024	1391903
Phorate	298-02-2	<0.250	0.250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Temephos	3383-96-8	<0.250	0.250	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Terbufos	13071-79-9	<0.50	0.50	µg/L	E755/WT	04-Apr-2024	04-Apr-2024	1390347
Pesticides								
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Bromoxynil	1689-84-5	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Dicamba	1918-00-9	<0.10	0.10	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Diquat (ion)	2764-72-9	<1.0	1.0	µg/L	E723A/WT	09-Apr-2024	09-Apr-2024	1395333
Paraquat (as dichloride)	1910-42-5	<1.0	1.0	µg/L	E723A/WT	09-Apr-2024	09-Apr-2024	1395333
Picloram	1918-02-1	<0.10	0.10	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	<0.050	0.050	µg/L	E706A/WT	08-Apr-2024	09-Apr-2024	1394537
Nitrosamines								
Nitrosodimethylamine, N- [NDMA]	62-75-9	<0.034	0.034	µg/L	E725A/WT	05-Apr-2024	05-Apr-2024	1391818
Nitrosamines Surrogates								
Nitrosodimethylamine-d6, N-	17829-05-9	98.7	0.10	%	E725A/WT	05-Apr-2024	05-Apr-2024	1391818
Organic Parameters								
Dichlorophenol, 2,4-	120-83-2	<0.30	0.30	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Pentachlorophenol [PCP]	87-86-5	<0.50	0.50	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Tetrachlorophenol, 2,3,4,6-	58-90-2	<0.50	0.50	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990
Trichlorophenol, 2,4,6-	88-06-2	<0.50	0.50	µg/L	E651D/WT	04-Apr-2024	05-Apr-2024	1390990

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.