



## CERTIFICATE OF ANALYSIS

<p><b>Work Order</b> : <b>FC2301667</b></p> <p><b>Client</b> : <b>Regional Municipality of Wood Buffalo</b></p> <p><b>Contact</b> : Water Treatment Plant</p> <p><b>Address</b> : 1 Silin Forest Road Fort McMurray AB Canada T9H 5A1</p> <p><b>Telephone</b> : 780-762-5863</p> <p><b>Project</b> : Fort Chipewyan Imperial Release</p> <p><b>PO</b> : 4500051416</p> <p><b>C-O-C number</b> : ----</p> <p><b>Sampler</b> : LUQMAN M</p> <p><b>Site</b> : Schedule 4: Fort Chip</p> <p><b>Quote number</b> : Q61323 (Fort chip)</p> <p><b>No. of samples received</b> : 2</p> <p><b>No. of samples analysed</b> : 2</p>	<p><b>Page</b> : 1 of 10</p> <p><b>Laboratory</b> : Fort McMurray - Environmental</p> <p><b>Account Manager</b> : Megan Trydal</p> <p><b>Address</b> : #4, 340 Macalpine Crescent Fort McMurray AB Canada T9H 4A8</p> <p><b>Telephone</b> : +1 780 791 1524</p> <p><b>Date Samples Received</b> : 22-Jun-2023 16:15</p> <p><b>Date Analysis</b> : 23-Jun-2023</p> <p><b>Commenced</b> : 27-Jun-2023 14:36</p> <p><b>Issue Date</b> : 27-Jun-2023 14:36</p>
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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>
Andrew Fox	Organic Supervisor	Metals, Calgary, Alberta
Cynthia Bauer	Lab Analyst	Organics, Calgary, Alberta
Geoff Berg	Team Leader - Inorganics	Organics, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Joshua Stessun	Laboratory Analyst	Organics, Calgary, Alberta
Kevin Baxter	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Kevin Baxter	Team Leader - Inorganics	Metals, Calgary, Alberta
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Maqsood UHassan	Laboratory Analyst	Organics, Calgary, Alberta



## General Comments

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

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

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

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

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

LOR: Limit of Reporting (detection limit).

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

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

Unit	Description
-	no units
%	percent
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
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.

## Accreditation

Accreditation	Description	Laboratory	Address
A	CALA ISO/IEC 17025:2017	CG Calgary - Environmental	2559 29th Street NE, Calgary, AB
B	CALA ISO/IEC 17025:2017	EO Edmonton - Environmental	9450 - 17 Avenue NW, Edmonton, AB
C	CALA ISO/IEC 17025:2017	VA Vancouver - Environmental	8081 Lougheed Highway, Burnaby, BC

Applicable accreditations are indicated in the Method/Lab column as superscripts.



## Analytical Results

FC2301667-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water Water Treatment Plant

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
<b>Physical Tests</b>								
Alkalinity, bicarbonate (as HCO <sub>3</sub> )	71-52-3	72.2	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Alkalinity, carbonate (as CO <sub>3</sub> )	3812-32-6	1.9	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Alkalinity, total (as CaCO <sub>3</sub> )	----	62.4	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Conductivity	----	198	1.0	µS/cm	E100/CG	A 23-Jun-2023	23-Jun-2023	1005156
Hardness (as CaCO <sub>3</sub> ), dissolved	----	51.4	0.50	mg/L	EC100/CG	-	24-Jun-2023	-
Hardness (as CaCO <sub>3</sub> ), from total Ca/Mg	----	57.5	0.50	mg/L	EC100A/CG	-	24-Jun-2023	-
pH	----	8.55	0.10	pH units	E108/CG	A 23-Jun-2023	23-Jun-2023	1005155
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	26-Jun-2023	-
Solids, total dissolved [TDS], calculated	----	107	1.0	mg/L	EC103/CG	-	23-Jun-2023	-
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	18.7	0.50	mg/L	E235.Cl/CG	A 23-Jun-2023	23-Jun-2023	1005136
Fluoride	16984-48-8	0.040	0.020	mg/L	E235.F/CG	A 23-Jun-2023	23-Jun-2023	1005127
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/CG	A 23-Jun-2023	23-Jun-2023	1005134
Nitrate + Nitrite (as N)	----	<0.0300	0.03	mg/L	EC235.N+N/CG	-	24-Jun-2023	1007081
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/CG	A 23-Jun-2023	23-Jun-2023	1005135
Sulfate (as SO <sub>4</sub> )	14808-79-8	9.97	0.30	mg/L	E235.SO4/CG	A 23-Jun-2023	23-Jun-2023	1005132
<b>Total Sulfides</b>								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	C -	25-Jun-2023	1007996
<b>Ion Balance</b>								
Anion sum	----	1.98	0.10	meq/L	EC101/CG	-	23-Jun-2023	-
Cation sum	----	1.89	0.10	meq/L	EC101/CG	-	23-Jun-2023	-
Ion balance (APHA)	----	-2.32	0.01	%	EC101/CG	-	23-Jun-2023	-
Ion balance (cations/anions)	----	95.4	0.010	%	EC101/CG	-	23-Jun-2023	-
<b>Total Metals</b>								
Aluminum, total	7429-90-5	0.0328	0.0030	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Arsenic, total	7440-38-2	0.00038	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Barium, total	7440-39-3	0.0339	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Boron, total	7440-42-8	0.018	0.010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Cadmium, total	7440-43-9	<0.0000050	0.0000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Calcium, total	7440-70-2	16.0	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Copper, total	7440-50-8	0.00127	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Iron, total	7439-89-6	0.023	0.010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Lithium, total	7439-93-2	0.0035	0.0010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Magnesium, total	7439-95-4	4.26	0.0050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Manganese, total	7439-96-5	0.00294	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623



## Analytical Results

FC2301667-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water Water Treatment Plant

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
<b>Total Metals</b>								
Molybdenum, total	7439-98-7	0.000397	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Nickel, total	7440-02-0	0.00054	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Potassium, total	7440-09-7	1.19	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Rubidium, total	7440-17-7	0.00127	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Selenium, total	7782-49-2	0.000051	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Silicon, total	7440-21-3	1.12	0.10	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Sodium, total	7440-23-5	18.4	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Strontium, total	7440-24-6	0.0982	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Sulfur, total	7704-34-9	2.83	0.50	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Tin, total	7440-31-5	0.00014	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
<b>Dissolved Metals</b>								
Aluminum, dissolved	7429-90-5	0.0310	0.0010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Arsenic, dissolved	7440-38-2	0.00039	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Barium, dissolved	7440-39-3	0.0342	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Boron, dissolved	7440-42-8	0.017	0.010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Calcium, dissolved	7440-70-2	13.8	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Copper, dissolved	7440-50-8	0.00095	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Iron, dissolved	7439-89-6	<0.030	0.030	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Lithium, dissolved	7439-93-2	0.0029	0.0010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Magnesium, dissolved	7439-95-4	4.11	0.0050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Manganese, dissolved	7439-96-5	<0.00500	0.00500	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Molybdenum, dissolved	7439-98-7	0.000386	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Potassium, dissolved	7440-09-7	1.19	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Rubidium, dissolved	7440-17-7	0.00115	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621



## Analytical Results

FC2301667-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water Water Treatment Plant

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/LOT
<b>Dissolved Metals</b>								
Selenium, dissolved	7782-49-2	0.000140	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Silicon, dissolved	7440-21-3	1.08	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Sodium, dissolved	7440-23-5	19.1	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Strontium, dissolved	7440-24-6	0.0931	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Sulfur, dissolved	7704-34-9	3.06	0.50	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Tin, dissolved	7440-31-5	0.00013	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Uranium, dissolved	7440-61-1	0.000016	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Dissolved metals filtration location	----	Laboratory	-	-	EP421/CG	-	23-Jun-2023	1005621
<b>Aggregate Organics</b>								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	B 23-Jun-2023	24-Jun-2023	1005998
<b>Volatile Organic Compounds [BTEXS+MTBE]</b>								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Xylene, m+p-	179601-23-1	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Xylene, o-	95-47-6	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Xylenes, total	1330-20-7	<0.75	0.75	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
BTEX, total	----	<1.2	1.2	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/C	A 23-Jun-2023	23-Jun-2023	1006316
F1-BTEX	----	<100	100	µg/L	EC580/CG	-	24-Jun-2023	-
F2 (C10-C16)	----	<100	100	µg/L	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
F3 (C16-C34)	----	<250	250	µg/L	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
F4 (C34-C50)	----	<250	250	µg/L	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
Hydrocarbons, total (C6-C50)	----	<400	400	µg/L	EC581/CG	-	23-Jun-2023	-
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	92.5	1.0	%	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
Dichlorotoluene, 3,4-	95-75-0	96.7	1.0	%	E581.F1/C	A 23-Jun-2023	23-Jun-2023	1006316
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	97.7	1.0	%	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Difluorobenzene, 1,4-	540-36-3	102	1.0	%	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761



## Analytical Results

FC2301667-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water Water Treatment Plant

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
<b>Polycyclic Aromatic Hydrocarbons</b>								
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	80.1	0.1	%	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Naphthalene-d8	1146-65-2	121	0.1	%	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Phenanthrene-d10	1517-22-2	87.2	0.1	%	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761

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

FC2301667-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond 1

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
<b>Physical Tests</b>								
Alkalinity, bicarbonate (as HCO <sub>3</sub> )	71-52-3	58.9	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Alkalinity, carbonate (as CO <sub>3</sub> )	3812-32-6	<1.0	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Alkalinity, total (as CaCO <sub>3</sub> )	----	48.3	1.0	mg/L	E290/CG	A 23-Jun-2023	23-Jun-2023	1005154
Conductivity	----	129	1.0	µS/cm	E100/CG	A 23-Jun-2023	23-Jun-2023	1005156
Hardness (as CaCO <sub>3</sub> ), dissolved	----	48.3	0.50	mg/L	EC100/CG	-	24-Jun-2023	-



## Analytical Results

FC2301667-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond 1

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/LOT
<b>Physical Tests</b>								
Hardness (as CaCO <sub>3</sub> ), from total Ca/Mg	----	53.6	0.50	mg/L	EC100A/CG	-	24-Jun-2023	-
pH	----	7.89	0.10	pH units	E108/CG	A 23-Jun-2023	23-Jun-2023	1005155
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	26-Jun-2023	-
Solids, total dissolved [TDS], calculated	----	73.4	1.0	mg/L	EC103/CG	-	23-Jun-2023	-
<b>Anions and Nutrients</b>								
Chloride	16887-00-6	4.96	0.50	mg/L	E235.Cl/CG	A 23-Jun-2023	23-Jun-2023	1005136
Fluoride	16984-48-8	0.076	0.020	mg/L	E235.F/CG	A 23-Jun-2023	23-Jun-2023	1005127
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/CG	A 23-Jun-2023	23-Jun-2023	1005134
Nitrate + Nitrite (as N)	----	<0.0300	0.03	mg/L	EC235.N+N/CG	-	24-Jun-2023	1007081
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/CG	A 23-Jun-2023	23-Jun-2023	1005135
Sulfate (as SO <sub>4</sub> )	14808-79-8	10.6	0.30	mg/L	E235.SO4/CG	A 23-Jun-2023	23-Jun-2023	1005132
<b>Total Sulfides</b>								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	C -	25-Jun-2023	1007996
<b>Ion Balance</b>								
Anion sum	----	1.33	0.10	meq/L	EC101/CG	-	23-Jun-2023	-
Cation sum	----	1.23	0.10	meq/L	EC101/CG	-	23-Jun-2023	-
Ion balance (APHA)	----	-3.91	0.01	%	EC101/CG	-	23-Jun-2023	-
Ion balance (cations/anions)	----	92.5	0.010	%	EC101/CG	-	23-Jun-2023	-
<b>Total Metals</b>								
Aluminum, total	7429-90-5	0.368	0.0030	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Arsenic, total	7440-38-2	0.00064	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Barium, total	7440-39-3	0.0345	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Beryllium, total	7440-41-7	0.000023	0.000020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Boron, total	7440-42-8	0.019	0.010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Cadmium, total	7440-43-9	0.0000134	0.0000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Calcium, total	7440-70-2	14.8	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Cesium, total	7440-46-2	0.000078	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Chromium, total	7440-47-3	0.00056	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Cobalt, total	7440-48-4	0.00020	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Copper, total	7440-50-8	0.00132	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Iron, total	7439-89-6	0.501	0.010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Lead, total	7439-92-1	0.000344	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Lithium, total	7439-93-2	0.0043	0.0010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Magnesium, total	7439-95-4	4.04	0.0050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Manganese, total	7439-96-5	0.0210	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Molybdenum, total	7439-98-7	0.000413	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Nickel, total	7440-02-0	0.00105	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Potassium, total	7440-09-7	1.08	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Rubidium, total	7440-17-7	0.00176	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Selenium, total	7782-49-2	0.000112	0.000050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623



## Analytical Results

FC2301667-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond 1

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
<b>Total Metals</b>								
Silicon, total	7440-21-3	2.68	0.10	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Sodium, total	7440-23-5	5.12	0.050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Strontium, total	7440-24-6	0.100	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Sulfur, total	7704-34-9	3.05	0.50	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Thallium, total	7440-28-0	0.000013	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Titanium, total	7440-32-6	0.00950	0.00030	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Uranium, total	7440-61-1	0.000190	0.000010	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Vanadium, total	7440-62-2	0.00131	0.00050	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
Zirconium, total	7440-67-7	0.00032	0.00020	mg/L	E420/CG	A 24-Jun-2023	24-Jun-2023	1005623
<b>Dissolved Metals</b>								
Aluminum, dissolved	7429-90-5	0.0133	0.0010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Arsenic, dissolved	7440-38-2	0.00040	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Barium, dissolved	7440-39-3	0.0320	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Boron, dissolved	7440-42-8	0.017	0.010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Calcium, dissolved	7440-70-2	13.0	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Copper, dissolved	7440-50-8	0.00090	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Iron, dissolved	7439-89-6	<0.030	0.030	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Lithium, dissolved	7439-93-2	0.0036	0.0010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Magnesium, dissolved	7439-95-4	3.85	0.0050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Manganese, dissolved	7439-96-5	<0.00500	0.00500	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Molybdenum, dissolved	7439-98-7	0.000400	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Nickel, dissolved	7440-02-0	0.00065	0.00050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Potassium, dissolved	7440-09-7	1.03	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Rubidium, dissolved	7440-17-7	0.00101	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Selenium, dissolved	7782-49-2	0.000098	0.000050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Silicon, dissolved	7440-21-3	1.99	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Sodium, dissolved	7440-23-5	5.53	0.050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Strontium, dissolved	7440-24-6	0.0942	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Sulfur, dissolved	7704-34-9	3.07	0.50	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621





## Analytical Results

FC2301667-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond 1

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
<b>Dissolved Metals</b>								
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Titanium, dissolved	7440-32-6	0.00080	0.00030	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Uranium, dissolved	7440-61-1	0.000153	0.000010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/CG	A 23-Jun-2023	23-Jun-2023	1005621
Dissolved metals filtration location	----	Laboratory	-	-	EP421/CG	-	23-Jun-2023	1005621
<b>Aggregate Organics</b>								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	B 23-Jun-2023	24-Jun-2023	1005998
<b>Volatile Organic Compounds [BTEXS+MTBE]</b>								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Xylene, m+p-	179601-23-1	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Xylene, o-	95-47-6	<0.50	0.50	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Xylenes, total	1330-20-7	<0.75	0.75	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
BTEX, total	----	<1.2	1.2	µg/L	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
<b>Hydrocarbons</b>								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/C	A 23-Jun-2023	23-Jun-2023	1006316
F1-BTEX	----	<100	100	µg/L	EC580/CG	-	24-Jun-2023	-
F2 (C10-C16)	----	<100	100	µg/L	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
F3 (C16-C34)	----	<250	250	µg/L	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
F4 (C34-C50)	----	<250	250	µg/L	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
Hydrocarbons, total (C6-C50)	----	<400	400	µg/L	EC581/CG	-	23-Jun-2023	-
<b>Hydrocarbons Surrogates</b>								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	90.9	1.0	%	E601/CG	A 23-Jun-2023	23-Jun-2023	1004760
Dichlorotoluene, 3,4-	95-75-0	112	1.0	%	E581.F1/C	A 23-Jun-2023	23-Jun-2023	1006316
<b>Volatile Organic Compounds Surrogates</b>								
Bromofluorobenzene, 4-	460-00-4	101	1.0	%	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
Difluorobenzene, 1,4-	540-36-3	101	1.0	%	E611A/CG	A 23-Jun-2023	23-Jun-2023	1006315
<b>Polycyclic Aromatic Hydrocarbons</b>								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761



## Analytical Results

FC2301667-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond 1

Client sampling date / time: 22-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
<b>Polycyclic Aromatic Hydrocarbons</b>								
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>								
Chrysene-d12	1719-03-5	83.4	0.1	%	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Naphthalene-d8	1146-65-2	105	0.1	%	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761
Phenanthrene-d10	1517-22-2	79.3	0.1	%	E641A/CG	A 23-Jun-2023	23-Jun-2023	1004761

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.