



CERTIFICATE OF ANALYSIS

Work Order	: FC2301443	Page	: 1 of 10
Client	: Regional Municipality of Wood Buffalo	Laboratory	: Fort McMurray - Environmental
Contact	: Water Treatment Plant	Account Manager	: Megan Trydal
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Telephone	: 780-762-5863	Telephone	: +1 780 791 1524
Project	: Fort Chipewyan Imperial Release	Date Samples Received	: 05-Jun-2023 16:00
PO	: 4500051416	Date Analysis	: 06-Jun-2023
C-O-C number	: ----	Commenced	
Sampler	: Darwin McDonald	Issue Date	: 08-Jun-2023 17:26
Site	: Schedule 4: Fort Chip		
Quote number	: Q61323 (Fort chip)		
No. of samples received	: 2		
No. of samples analysed	: 2		

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

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

Signatories

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

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Cynthia Bauer	Organic Supervisor	Organics, Calgary, Alberta
Geoff Berg	Lab Analyst	Organics, Edmonton, Alberta
George Huang	Supervisor - Inorganic	Metals, Calgary, Alberta
Joshua Stessun	Laboratory Analyst	Organics, Calgary, Alberta
Katarzyna Glinka	Analyst	Inorganics, Calgary, Alberta
Kate Dimitrova	Analyst	Inorganics, Burnaby, British Columbia
Kelsey Schaefer	Lab Analyst	Organics, Calgary, Alberta
Kevin Baxter	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Parker Sgarbossa	Laboratory Analyst	Metals, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Victoria Piguing	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.

<i>Unit</i>	<i>Description</i>
-	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

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

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



Analytical Results

FC2301443-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot	
Physical Tests									
Hardness (as CaCO3), dissolved	----	31.9	0.50	mg/L	EC100/CG	-	07-Jun-2023	-	
Hardness (as CaCO3), from total Ca/Mg	----	31.1	0.50	mg/L	EC100A/CG	-	07-Jun-2023	-	
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	08-Jun-2023	-	
Conductivity	----	124	2.0	µS/cm	E100/CG	A	06-Jun-2023	974070	
pH	----	8.82	0.10	pH units	E108/CG	A	06-Jun-2023	974069	
Alkalinity, bicarbonate (as HCO3)	71-52-3	47.9	1.0	mg/L	E290/CG	A	06-Jun-2023	974071	
Alkalinity, carbonate (as CO3)	3812-32-6	2.6	1.0	mg/L	E290/CG	A	06-Jun-2023	974071	
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/CG	A	06-Jun-2023	974071	
Alkalinity, total (as CaCO3)	----	43.7	2.0	mg/L	E290/CG	A	06-Jun-2023	974071	
Solids, total dissolved [TDS], calculated	----	71.6	1.0	mg/L	EC103/CG	-	07-Jun-2023	-	
Anions and Nutrients									
Chloride	16887-00-6	11.8	0.50	mg/L	E235.Cl/CG	A	06-Jun-2023	974035	
Fluoride	16984-48-8	0.034	0.020	mg/L	E235.F/CG	A	06-Jun-2023	974032	
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO3/CG	A	06-Jun-2023	974033	
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/CG	A	06-Jun-2023	974036	
Sulfate (as SO4)	14808-79-8	3.82	0.30	mg/L	E235.SO4/CG	A	06-Jun-2023	974034	
Nitrate + Nitrite (as N)	----	<0.0500	0.05	mg/L	EC235.N+N/CG	-	07-Jun-2023	976179	
Total Sulfides									
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	B	-	07-Jun-2023	977344
Ion Balance									
Anion sum	----	1.29	0.10	meq/L	EC101/CG	-	07-Jun-2023	-	
Cation sum	----	1.30	0.10	meq/L	EC101/CG	-	07-Jun-2023	-	
Ion balance (APHA)	----	0.39	0.01	%	EC101/CG	-	07-Jun-2023	-	
Ion balance (cations/anions)	----	101	0.010	%	EC101/CG	-	07-Jun-2023	-	
Total Metals									
Aluminum, total	7429-90-5	0.0266	0.0030	mg/L	E420/CG	A	07-Jun-2023	974860	
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/CG	A	07-Jun-2023	974860	
Arsenic, total	7440-38-2	0.00026	0.00010	mg/L	E420/CG	A	07-Jun-2023	974860	
Barium, total	7440-39-3	0.0201	0.00010	mg/L	E420/CG	A	07-Jun-2023	974860	
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/CG	A	07-Jun-2023	974860	
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/CG	A	07-Jun-2023	974860	
Boron, total	7440-42-8	0.012	0.010	mg/L	E420/CG	A	07-Jun-2023	974860	
Cadmium, total	7440-43-9	<0.0000050	0.0000050	mg/L	E420/CG	A	07-Jun-2023	974860	
Calcium, total	7440-70-2	8.44	0.050	mg/L	E420/CG	A	07-Jun-2023	974860	
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/CG	A	07-Jun-2023	974860	
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/CG	A	07-Jun-2023	974860	
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/CG	A	07-Jun-2023	974860	
Copper, total	7440-50-8	0.00062	0.00050	mg/L	E420/CG	A	07-Jun-2023	974860	
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/CG	A	07-Jun-2023	974860	
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/CG	A	07-Jun-2023	974860	
Lithium, total	7439-93-2	0.0019	0.0010	mg/L	E420/CG	A	07-Jun-2023	974860	
Magnesium, total	7439-95-4	2.44	0.0050	mg/L	E420/CG	A	07-Jun-2023	974860	
Manganese, total	7439-96-5	0.00350	0.00010	mg/L	E420/CG	A	07-Jun-2023	974860	



Analytical Results

FC2301443-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC Lot
Total Metals								
Molybdenum, total	7439-98-7	0.000257	0.000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Nickel, total	7440-02-0	0.00108	0.00050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Potassium, total	7440-09-7	0.874	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Rubidium, total	7440-17-7	0.00096	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Silicon, total	7440-21-3	1.11	0.10	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Sodium, total	7440-23-5	14.4	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Strontium, total	7440-24-6	0.0577	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Sulfur, total	7704-34-9	1.16	0.50	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0254	0.0010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Arsenic, dissolved	7440-38-2	0.00031	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Barium, dissolved	7440-39-3	0.0222	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Boron, dissolved	7440-42-8	0.012	0.010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Calcium, dissolved	7440-70-2	8.64	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Copper, dissolved	7440-50-8	0.00055	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Iron, dissolved	7439-89-6	<0.030	0.030	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Lithium, dissolved	7439-93-2	0.0019	0.0010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Magnesium, dissolved	7439-95-4	2.50	0.0050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Manganese, dissolved	7439-96-5	<0.00500	0.00500	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Molybdenum, dissolved	7439-98-7	0.000231	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Nickel, dissolved	7440-02-0	0.00100	0.00050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Potassium, dissolved	7440-09-7	0.937	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Rubidium, dissolved	7440-17-7	0.00091	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858



Analytical Results

FC2301443-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/LOT
Dissolved Metals								
Selenium, dissolved	7782-49-2	0.000053	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Silicon, dissolved	7440-21-3	1.07	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Sodium, dissolved	7440-23-5	14.7	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Strontium, dissolved	7440-24-6	0.0561	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Sulfur, dissolved	7704-34-9	1.05	0.50	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Dissolved metals filtration location	----	Laboratory	-	-	EP421/CG	-	07-Jun-2023	974858
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	C 07-Jun-2023	08-Jun-2023	976446
Volatile Organic Compounds [BTEXS+MTBE]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Xylene, m+p-	179601-23-1	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Xylene, o-	95-47-6	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Xylenes, total	1330-20-7	<0.75	0.75	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
BTEX, total	----	<1.2	1.2	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/C	A 06-Jun-2023	06-Jun-2023	974719
F1-BTEX	----	<100	100	µg/L	EC580/CG	-	07-Jun-2023	-
F2 (C10-C16)	----	<100	100	µg/L	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
F3 (C16-C34)	----	<250	250	µg/L	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
F4 (C34-C50)	----	<250	250	µg/L	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
Hydrocarbons, total (C6-C50)	----	<400	400	µg/L	EC581/CG	-	06-Jun-2023	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	96.6	1.0	%	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
Dichlorotoluene, 3,4-	95-75-0	85.3	1.0	%	E581.F1/C	A 06-Jun-2023	06-Jun-2023	974719
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	93.5	1.0	%	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Difluorobenzene, 1,4-	540-36-3	104	1.0	%	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763



Analytical Results

FC2301443-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
Polycyclic Aromatic Hydrocarbons								
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	87.5	0.1	%	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Naphthalene-d8	1146-65-2	98.8	0.1	%	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Phenanthrene-d10	1517-22-2	100.0	0.1	%	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763

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

FC2301443-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond One

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
Physical Tests								
Hardness (as CaCO ₃), dissolved	----	66.5	0.50	mg/L	EC100/CG	-	07-Jun-2023	-
Hardness (as CaCO ₃), from total Ca/Mg	----	65.6	0.50	mg/L	EC100A/CG	-	07-Jun-2023	-
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	08-Jun-2023	-
Conductivity	----	154	2.0	µS/cm	E100/CG	A 06-Jun-2023	06-Jun-2023	974070
pH	----	7.87	0.10	pH units	E108/CG	A 06-Jun-2023	06-Jun-2023	974069
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	69.9	1.0	mg/L	E290/CG	A 06-Jun-2023	06-Jun-2023	974071



Analytical Results

FC2301443-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond One

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
Physical Tests								
Alkalinity, carbonate (as CO ₃)	3812-32-6	<1.0	1.0	mg/L	E290/CG	A 06-Jun-2023	06-Jun-2023	974071
Alkalinity, hydroxide (as OH)	14280-30-9	<1.0	1.0	mg/L	E290/CG	A 06-Jun-2023	06-Jun-2023	974071
Alkalinity, total (as CaCO ₃)	----	57.3	2.0	mg/L	E290/CG	A 06-Jun-2023	06-Jun-2023	974071
Solids, total dissolved [TDS], calculated	----	92.0	1.0	mg/L	EC103/CG	-	07-Jun-2023	-
Anions and Nutrients								
Chloride	16887-00-6	7.25	0.50	mg/L	E235.Cl/CG	A 06-Jun-2023	06-Jun-2023	974035
Fluoride	16984-48-8	0.073	0.020	mg/L	E235.F/CG	A 06-Jun-2023	06-Jun-2023	974032
Nitrate (as N)	14797-55-8	<0.020	0.020	mg/L	E235.NO ₃ /CG	A 06-Jun-2023	06-Jun-2023	974033
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO ₂ /CG	A 06-Jun-2023	06-Jun-2023	974036
Sulfate (as SO ₄)	14808-79-8	13.0	0.30	mg/L	E235.SO ₄ /CG	A 06-Jun-2023	06-Jun-2023	974034
Nitrate + Nitrite (as N)	----	<0.0500	0.05	mg/L	EC235.N+N/CG	-	07-Jun-2023	976179
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/VA	B -	08-Jun-2023	977344
Ion Balance								
Anion sum	----	1.62	0.10	meq/L	EC101/CG	-	07-Jun-2023	-
Cation sum	----	1.72	0.10	meq/L	EC101/CG	-	07-Jun-2023	-
Ion balance (APHA)	----	2.99	0.01	%	EC101/CG	-	07-Jun-2023	-
Ion balance (cations/anions)	----	106	0.010	%	EC101/CG	-	07-Jun-2023	-
Total Metals								
Aluminum, total	7429-90-5	0.117	0.0030	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Arsenic, total	7440-38-2	0.00045	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Barium, total	7440-39-3	0.0404	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Boron, total	7440-42-8	0.020	0.010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Cadmium, total	7440-43-9	0.0000130	0.0000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Calcium, total	7440-70-2	17.4	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Cesium, total	7440-46-2	0.000026	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Copper, total	7440-50-8	0.00123	0.00050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Iron, total	7439-89-6	0.207	0.010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Lead, total	7439-92-1	0.000122	0.000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Lithium, total	7439-93-2	0.0049	0.0010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Magnesium, total	7439-95-4	5.37	0.0050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Manganese, total	7439-96-5	0.0124	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Molybdenum, total	7439-98-7	0.000479	0.000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Nickel, total	7440-02-0	0.00096	0.00050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Potassium, total	7440-09-7	1.22	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Rubidium, total	7440-17-7	0.00136	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Selenium, total	7782-49-2	0.000099	0.000050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860



Analytical Results

FC2301443-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond One

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/lot
Total Metals								
Silicon, total	7440-21-3	2.05	0.10	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Sodium, total	7440-23-5	8.06	0.050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Strontium, total	7440-24-6	0.123	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Sulfur, total	7704-34-9	4.16	0.50	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Tin, total	7440-31-5	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Titanium, total	7440-32-6	0.00278	0.00030	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Uranium, total	7440-61-1	0.000208	0.000010	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Vanadium, total	7440-62-2	0.00059	0.00050	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/CG	A 07-Jun-2023	07-Jun-2023	974860
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0069	0.0010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Arsenic, dissolved	7440-38-2	0.00040	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Barium, dissolved	7440-39-3	0.0404	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Boron, dissolved	7440-42-8	0.020	0.010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Cadmium, dissolved	7440-43-9	0.0000073	0.0000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Calcium, dissolved	7440-70-2	17.6	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Copper, dissolved	7440-50-8	0.00099	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Iron, dissolved	7439-89-6	0.031	0.030	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Lithium, dissolved	7439-93-2	0.0046	0.0010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Magnesium, dissolved	7439-95-4	5.48	0.0050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Manganese, dissolved	7439-96-5	<0.00500	0.00500	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Molybdenum, dissolved	7439-98-7	0.000479	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Nickel, dissolved	7440-02-0	0.00072	0.00050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Potassium, dissolved	7440-09-7	1.25	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Rubidium, dissolved	7440-17-7	0.00109	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Selenium, dissolved	7782-49-2	0.000090	0.000050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Silicon, dissolved	7440-21-3	1.77	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Sodium, dissolved	7440-23-5	8.15	0.050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Strontium, dissolved	7440-24-6	0.122	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Sulfur, dissolved	7704-34-9	4.29	0.50	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858



Analytical Results

FC2301443-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond One

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Dissolved Metals								
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Titanium, dissolved	7440-32-6	0.00045	0.00030	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Uranium, dissolved	7440-61-1	0.000192	0.000010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Zirconium, dissolved	7440-67-7	<0.00030	0.00030	mg/L	E421/CG	A 07-Jun-2023	07-Jun-2023	974858
Dissolved metals filtration location	----	Laboratory	-	-	EP421/CG	-	07-Jun-2023	974858
Aggregate Organics								
Naphthenic acids	----	<0.10	0.10	mg/L	E565-L/EO	C 07-Jun-2023	08-Jun-2023	976446
Volatile Organic Compounds [BTEXS+MTBE]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Xylene, m+p-	179601-23-1	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Xylene, o-	95-47-6	<0.50	0.50	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Xylenes, total	1330-20-7	<0.75	0.75	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
BTEX, total	----	<1.2	1.2	µg/L	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/C G	A 06-Jun-2023	06-Jun-2023	974719
F1-BTEX	----	<100	100	µg/L	EC580/CG	-	07-Jun-2023	-
F2 (C10-C16)	----	<100	100	µg/L	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
F3 (C16-C34)	----	<250	250	µg/L	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
F4 (C34-C50)	----	<250	250	µg/L	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
Hydrocarbons, total (C6-C50)	----	<400	400	µg/L	EC581/CG	-	06-Jun-2023	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	93.4	1.0	%	E601/CG	A 06-Jun-2023	06-Jun-2023	973762
Dichlorotoluene, 3,4-	95-75-0	98.1	1.0	%	E581.F1/C G	A 06-Jun-2023	06-Jun-2023	974719
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	92.5	1.0	%	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Difluorobenzene, 1,4-	540-36-3	105	1.0	%	E611A/CG	A 06-Jun-2023	06-Jun-2023	974718
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763



Analytical Results

FC2301443-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Pond One

Client sampling date / time: 05-Jun-2023

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	89.9	0.1	%	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Naphthalene-d8	1146-65-2	113	0.1	%	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763
Phenanthrene-d10	1517-22-2	89.5	0.1	%	E641A/CG	A 06-Jun-2023	06-Jun-2023	973763

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.