

CERTIFICATE OF ANALYSIS

Work Order : **FC2500392**
Client : **Regional Municipality of Wood Buffalo**
Contact : Water Treatment Plant
Address : 1 Silin Forest Road
 Fort McMurray Alberta Canada T9H 5A1
Telephone : 780-762-5863
Project : Fort Chipewyan Table 1
PO : 4500060925
C-O-C number : ----
Sampler : Faheem
Site : ----
Quote number : Water Treatment Plant
No. of samples received : 2
No. of samples analysed : 2

Laboratory : ALS Environmental - Calgary
Account Manager : Megha Walia
Address : 2559 29th Street NE
 Calgary AB Canada T1Y 7B5
Telephone : +1 403 407 1800
Date Samples Received : 18-Feb-2025 16:15
Date Analysis Commenced : 19-Feb-2025
Issue Date : 28-Feb-2025 12:50

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

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

Signatories

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

Signatories	Position	Laboratory Department
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Anthony Calero	Supervisor - Inorganic	Inorganics, Calgary, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
Ping Yeung	Team Leader - Inorganics	Inorganics, Edmonton, Alberta
Remy Gatabazi	Lab Analyst	Organics, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Metals, Edmonton, Alberta
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta



General Comments

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

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

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

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

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

Unit	Description
-	no units
%	percent
mg/L	milligrams per litre
pH units	pH units
psu	practical salinity units
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre

<: 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.



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time						17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----	----
					Result	Result	----	----	----	----
Physical Tests										
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	E290/EO	1.2	mg/L	57.6	38.1	----	----	----	----
Alkalinity, carbonate (as CO ₃)	3812-32-6	E290/EO	1.0	mg/L	<0.6	<0.6	----	----	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/EO	1.0	mg/L	<0.3	<0.3	----	----	----	----
Alkalinity, total (as CaCO ₃)	----	E290/EO	1.0	mg/L	47.2	31.2	----	----	----	----
Conductivity	----	E100/EO	1.0	µS/cm	146	85.4	----	----	----	----
Hardness (as CaCO ₃), dissolved	----	EC100/EO	0.50	mg/L	33.9	32.1	----	----	----	----
pH	----	E108/EO	0.10	pH units	8.00	7.19	----	----	----	----
Salinity	----	EC100S/VA	1.0	psu	<1.0	<1.0	----	----	----	----
Solids, total dissolved [TDS], calculated	----	EC103/EO	1.0	mg/L	80.1	48.2	----	----	----	----
Anions and Nutrients										
Chloride	16887-00-6	E235.Cl/EO	0.50	mg/L	13.9	3.50	----	----	----	----
Fluoride	16984-48-8	E235.F/EO	0.020	mg/L	0.024	0.072	----	----	----	----
Nitrate (as N)	14797-55-8	E235.NO ₃ /EO	0.020	mg/L	0.067	0.051	----	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/E O	0.0032	mg/L	0.0670	0.0510	----	----	----	----
Nitrite (as N)	14797-65-0	E235.NO ₂ /EO	0.010	mg/L	<0.010	<0.010	----	----	----	----
Sulfate (as SO ₄)	14808-79-8	E235.SO ₄ /EO	0.30	mg/L	3.71	3.86	----	----	----	----
Total Sulfides										
Sulfide, total (as S)	18496-25-8	E395/CG	0.0015	mg/L	<0.0015	<0.0015	----	----	----	----
Sulfide, total (as H ₂ S)	7783-06-4	E395/CG	0.0016	mg/L	<0.0016	<0.0016	----	----	----	----
Ion Balance										
Ion balance (cations/anions)	----	EC101/EO	0.010	%	97.2	100	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Sub-Matrix: Water (Matrix: Water)					Client sample ID	Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time					17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----	
					Result	Result	----	----	----	
Total Metals										
Aluminum, total	7429-90-5	E420/EO	0.0030	mg/L	0.0614	0.0364	----	----	----	
Antimony, total	7440-36-0	E420/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Arsenic, total	7440-38-2	E420/EO	0.00010	mg/L	0.00013	0.00023	----	----	----	
Barium, total	7440-39-3	E420/EO	0.00010	mg/L	0.0159	0.0160	----	----	----	
Beryllium, total	7440-41-7	E420/EO	0.000020	mg/L	<0.000020	<0.000020	----	----	----	
Bismuth, total	7440-69-9	E420/EO	0.000050	mg/L	<0.000050	<0.000050	----	----	----	
Boron, total	7440-42-8	E420/EO	0.010	mg/L	0.014	0.012	----	----	----	
Cadmium, total	7440-43-9	E420/EO	0.0000050	mg/L	<0.0000050	<0.0000050	----	----	----	
Calcium, total	7440-70-2	E420/EO	0.050	mg/L	9.02	8.43	----	----	----	
Cesium, total	7440-46-2	E420/EO	0.000010	mg/L	<0.000010	<0.000010	----	----	----	
Chromium, total	7440-47-3	E420/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----	
Cobalt, total	7440-48-4	E420/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Copper, total	7440-50-8	E420/EO	0.00050	mg/L	0.00076	0.00142	----	----	----	
Iron, total	7439-89-6	E420/EO	0.010	mg/L	<0.010	0.091	----	----	----	
Lead, total	7439-92-1	E420/EO	0.000050	mg/L	<0.000050	<0.000050	----	----	----	
Lithium, total	7439-93-2	E420/EO	0.0010	mg/L	0.0029	0.0029	----	----	----	
Magnesium, total	7439-95-4	E420/EO	0.0050	mg/L	2.76	2.77	----	----	----	
Manganese, total	7439-96-5	E420/EO	0.00010	mg/L	0.00626	0.00766	----	----	----	
Molybdenum, total	7439-98-7	E420/EO	0.000050	mg/L	0.000194	0.000209	----	----	----	
Nickel, total	7440-02-0	E420/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----	
Phosphorus, total	7723-14-0	E420/EO	0.050	mg/L	<0.050	<0.050	----	----	----	



Analytical Results

Sub-Matrix: Water
(Matrix: Water)

Sub-Matrix: Water (Matrix: Water)					Client sample ID	Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time					17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----	
					Result	Result	----	----	----	
Total Metals										
Potassium, total	7440-09-7	E420/EO	0.050	mg/L	0.968	0.980	----	----	----	
Rubidium, total	7440-17-7	E420/EO	0.00020	mg/L	0.00093	0.00103	----	----	----	
Selenium, total	7782-49-2	E420/EO	0.000050	mg/L	<0.000050	<0.000050	----	----	----	
Silicon, total	7440-21-3	E420/EO	0.10	mg/L	2.04	2.35	----	----	----	
Silver, total	7440-22-4	E420/EO	0.000010	mg/L	<0.000010	<0.000010	----	----	----	
Sodium, total	7440-23-5	E420/EO	0.050	mg/L	16.0	3.29	----	----	----	
Strontium, total	7440-24-6	E420/EO	0.00020	mg/L	0.0618	0.0613	----	----	----	
Sulfur, total	7704-34-9	E420/EO	0.50	mg/L	1.11	1.24	----	----	----	
Tellurium, total	13494-80-9	E420/EO	0.00020	mg/L	<0.00020	<0.00020	----	----	----	
Thallium, total	7440-28-0	E420/EO	0.000010	mg/L	<0.000010	<0.000010	----	----	----	
Thorium, total	7440-29-1	E420/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Tin, total	7440-31-5	E420/EO	0.00010	mg/L	0.00016	0.00012	----	----	----	
Titanium, total	7440-32-6	E420/EO	0.00030	mg/L	<0.00030	0.00089	----	----	----	
Tungsten, total	7440-33-7	E420/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Uranium, total	7440-61-1	E420/EO	0.000010	mg/L	<0.000010	0.000073	----	----	----	
Vanadium, total	7440-62-2	E420/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----	
Zinc, total	7440-66-6	E420/EO	0.0030	mg/L	<0.0030	<0.0030	----	----	----	
Zirconium, total	7440-67-7	E420/EO	0.00020	mg/L	<0.00020	<0.00020	----	----	----	
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/EO	0.0010	mg/L	0.0624	0.0355	----	----	----	
Antimony, dissolved	7440-36-0	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Client sample ID					Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time					17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----
					Result	Result	----	----	----
Dissolved Metals									
Arsenic, dissolved	7440-38-2	E421/EO	0.00010	mg/L	0.00011	0.00021	----	----	----
Barium, dissolved	7440-39-3	E421/EO	0.00010	mg/L	0.0158	0.0158	----	----	----
Beryllium, dissolved	7440-41-7	E421/EO	0.000020	mg/L	<0.000020	<0.000020	----	----	----
Bismuth, dissolved	7440-69-9	E421/EO	0.000050	mg/L	<0.000050	<0.000050	----	----	----
Boron, dissolved	7440-42-8	E421/EO	0.010	mg/L	0.013	0.013	----	----	----
Cadmium, dissolved	7440-43-9	E421/EO	0.0000050	mg/L	<0.0000050	<0.0000050	----	----	----
Calcium, dissolved	7440-70-2	E421/EO	0.050	mg/L	9.15	8.33	----	----	----
Cesium, dissolved	7440-46-2	E421/EO	0.000010	mg/L	<0.000010	<0.000010	----	----	----
Chromium, dissolved	7440-47-3	E421/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----
Cobalt, dissolved	7440-48-4	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----
Copper, dissolved	7440-50-8	E421/EO	0.00020	mg/L	0.00063	0.00132	----	----	----
Iron, dissolved	7439-89-6	E421/EO	0.010	mg/L	<0.010	0.083	----	----	----
Lead, dissolved	7439-92-1	E421/EO	0.000050	mg/L	<0.000050	<0.000050	----	----	----
Lithium, dissolved	7439-93-2	E421/EO	0.0010	mg/L	0.0032	0.0031	----	----	----
Magnesium, dissolved	7439-95-4	E421/EO	0.0050	mg/L	2.68	2.74	----	----	----
Manganese, dissolved	7439-96-5	E421/EO	0.00010	mg/L	0.00625	0.00767	----	----	----
Molybdenum, dissolved	7439-98-7	E421/EO	0.000050	mg/L	0.000193	0.000205	----	----	----
Nickel, dissolved	7440-02-0	E421/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----
Phosphorus, dissolved	7723-14-0	E421/EO	0.050	mg/L	<0.050	<0.050	----	----	----
Potassium, dissolved	7440-09-7	E421/EO	0.050	mg/L	0.923	0.920	----	----	----
Rubidium, dissolved	7440-17-7	E421/EO	0.00020	mg/L	0.00090	0.00094	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Sub-Matrix: Water (Matrix: Water)					Client sample ID	Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time					17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----	
					Result	Result	----	----	----	
Dissolved Metals										
Selenium, dissolved	7782-49-2	E421/EO	0.000050	mg/L	<0.000050	<0.000050	----	----	----	
Silicon, dissolved	7440-21-3	E421/EO	0.050	mg/L	2.07	2.39	----	----	----	
Silver, dissolved	7440-22-4	E421/EO	0.000010	mg/L	<0.000010	<0.000010	----	----	----	
Sodium, dissolved	7440-23-5	E421/EO	0.050	mg/L	15.4	3.23	----	----	----	
Strontium, dissolved	7440-24-6	E421/EO	0.00020	mg/L	0.0613	0.0605	----	----	----	
Sulfur, dissolved	7704-34-9	E421/EO	0.50	mg/L	1.36	1.47	----	----	----	
Tellurium, dissolved	13494-80-9	E421/EO	0.00020	mg/L	<0.00020	<0.00020	----	----	----	
Thallium, dissolved	7440-28-0	E421/EO	0.000010	mg/L	<0.000010	<0.000010	----	----	----	
Thorium, dissolved	7440-29-1	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Tin, dissolved	7440-31-5	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Titanium, dissolved	7440-32-6	E421/EO	0.00030	mg/L	<0.00030	0.00090	----	----	----	
Tungsten, dissolved	7440-33-7	E421/EO	0.00010	mg/L	<0.00010	<0.00010	----	----	----	
Uranium, dissolved	7440-61-1	E421/EO	0.000010	mg/L	<0.000010	0.000070	----	----	----	
Vanadium, dissolved	7440-62-2	E421/EO	0.00050	mg/L	<0.00050	<0.00050	----	----	----	
Zinc, dissolved	7440-66-6	E421/EO	0.0010	mg/L	<0.0010	<0.0010	----	----	----	
Zirconium, dissolved	7440-67-7	E421/EO	0.00020	mg/L	<0.00020	<0.00020	----	----	----	
Dissolved metals filtration location	----	EP421/EO	-	-	Field	Field	----	----	----	
Aggregate Organics										
Naphthenic acids	----	E565/EO	1.0	mg/L	<1.0	<1.0	----	----	----	
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/EO	0.50	µg/L	<0.50	<0.50	----	----	----	



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Client sample ID					Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time					17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----
					Result	Result	----	----	----
Volatile Organic Compounds [Fuels]									
Ethylbenzene	100-41-4	E611A/EO	0.50	µg/L	<0.50	<0.50	----	----	----
Styrene	100-42-5	E611A/EO	0.50	µg/L	<0.50	<0.50	----	----	----
Toluene	108-88-3	E611A/EO	0.50	µg/L	<0.50	<0.50	----	----	----
Xylene, m+p-	179601-23-1	E611A/EO	0.40	µg/L	<0.40	<0.40	----	----	----
Xylene, o-	95-47-6	E611A/EO	0.30	µg/L	<0.30	<0.30	----	----	----
Xylenes, total	1330-20-7	E611A/EO	0.50	µg/L	<0.50	<0.50	----	----	----
BTEX, total	----	E611A/EO	1.0	µg/L	<1.0	<1.0	----	----	----
Hydrocarbons									
F1 (C6-C10)	----	E581.F1/EO	100	µg/L	<100	<100	----	----	----
F1-BTEX	----	EC580/EO	25	µg/L	<100	<100	----	----	----
F2 (C10-C16)	----	E601/EO	100	µg/L	<100	<100	----	----	----
F3 (C16-C34)	----	E601/EO	250	µg/L	<250	<250	----	----	----
F4 (C34-C50)	----	E601/EO	250	µg/L	<250	<250	----	----	----
Hydrocarbons, total (C6-C50)	n/a	EC581/EO	370	µg/L	<380	<380	----	----	----
Hydrocarbons Surrogates									
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601/EO	1.0	%	104	105	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/EO	1.0	%	106	103	----	----	----
Volatile Organic Compounds Surrogates									
Bromofluorobenzene, 4-	460-00-4	E611A/EO	1.0	%	104	102	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/EO	1.0	%	102	102	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

Client sample ID					Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time					17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002	----	----	----
					Result	Result	----	----	----
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	83-32-9	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Acenaphthylene	208-96-8	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Acridine	260-94-6	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Anthracene	120-12-7	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Benz(a)anthracene	56-55-3	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Benzo(a)pyrene	50-32-8	E641A/EO	0.0050	µg/L	<0.0050	<0.0050	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A/EO	0.015	µg/L	<0.015	<0.015	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Chrysene	218-01-9	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/EO	0.0050	µg/L	<0.0050	<0.0050	----	----	----
Fluoranthene	206-44-0	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Fluorene	86-73-7	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Methylnaphthalene, 1+2-	----	E641A/EO	0.015	µg/L	<0.015	<0.015	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----
Naphthalene	91-20-3	E641A/EO	0.050	µg/L	<0.050	<0.050	----	----	----
Phenanthrene	85-01-8	E641A/EO	0.020	µg/L	<0.020	<0.020	----	----	----
Pyrene	129-00-0	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Treated Water FC WTP Lab Sink	Raw Water Chamber Tap FC WTP lab (Raw tap)	----	----	----
Client sampling date / time						17-Feb-2025 16:25	17-Feb-2025 16:35	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	FC2500392-001	FC2500392-002				
					Result	Result	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Quinoline	91-22-5	E641A/EO	0.050	µg/L	<0.050	<0.050	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A/EO	0.010	µg/L	<0.010	<0.010	----	----	----	----
PAHs, high molecular weight (BC AWQ)	n/a	E641A/EO	0.030	µg/L	<0.030	<0.030	----	----	----	----
PAHs, low molecular weight (BC AWQ)	n/a	E641A/EO	0.060	µg/L	<0.060	<0.060	----	----	----	----
PAHs, total (CCME sewer 18)	n/a	E641A/EO	0.070	µg/L	<0.070	<0.070	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A/EO	0.065	µg/L	<0.065	<0.065	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/EO	0.1	%	94.4	85.8	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/EO	0.1	%	106	95.0	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/EO	0.1	%	110	99.7	----	----	----	----

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

CERTIFICATE OF ANALYSIS

Work Order	: FC2500392	Page	: 1 of 10
Client	: Regional Municipality of Wood Buffalo	Laboratory	: ALS Environmental - Fort McMurray
Contact	: Water Treatment Plant	Account Manager	: Megha Walia
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 Table 1	Date Samples Received	: 18-Feb-2025 16:15
PO	: 4500060925	Date Analysis	: 19-Feb-2025
		Commenced	
		Issue Date	: 28-Feb-2025 12:52
C-O-C number	: ----		
Sampler	: Faheem		
Site	: ----		
Quote number	: Water Treatment Plant		
No. of samples received	: 2		
No. of samples analysed	: 2		

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

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

Signatories

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

Signatories	Position	Laboratory Department
Alex Drake	Lab Analyst	Inorganics, Edmonton, Alberta
Anthony Calero	Supervisor - Inorganic	Inorganics, Calgary, Alberta
Daniel Nguyen	Laboratory Analyst	Metals, Edmonton, Alberta
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
Ping Yeung	Team Leader - Inorganics	Inorganics, Edmonton, Alberta
Remy Gatabazi	Lab Analyst	Organics, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Metals, Edmonton, Alberta
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta



General Comments

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

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

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

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

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

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



Analytical Results

FC2500392-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water FC WTP Lab Sink

Client sampling date / time: 17-Feb-2025 16:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	57.6	1.2	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Alkalinity, carbonate (as CO ₃)	3812-32-6	<0.6	0.6	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Alkalinity, total (as CaCO ₃)	----	47.2	1.0	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Conductivity	----	146	1.0	µS/cm	E100/EO	19-Feb-2025	19-Feb-2025	1879088
Hardness (as CaCO ₃), dissolved	----	33.9	0.50	mg/L	EC100/EO	-	20-Feb-2025	-
pH	----	8.00	0.10	pH units	E108/EO	19-Feb-2025	19-Feb-2025	1879087
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	24-Feb-2025	-
Solids, total dissolved [TDS], calculated	----	80.1	1.0	mg/L	EC103/EO	-	20-Feb-2025	-
Anions and Nutrients								
Chloride	16887-00-6	13.9	0.50	mg/L	E235.Cl/EO	19-Feb-2025	19-Feb-2025	1879407
Fluoride	16984-48-8	0.024	0.020	mg/L	E235.F/EO	19-Feb-2025	19-Feb-2025	1879404
Nitrate (as N)	14797-55-8	0.067	0.020	mg/L	E235.NO ₃ /EO	19-Feb-2025	19-Feb-2025	1879405
Nitrate + Nitrite (as N)	----	0.0670	0.0224	mg/L	EC235.N+N/EO	-	21-Feb-2025	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO ₂ /EO	19-Feb-2025	19-Feb-2025	1879408
Sulfate (as SO ₄)	14808-79-8	3.71	0.30	mg/L	E235.SO ₄ /EO	19-Feb-2025	19-Feb-2025	1879406
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/CG	-	19-Feb-2025	1879342
Sulfide, total (as H ₂ S)	7783-06-4	<0.0016	0.0016	mg/L	E395/CG	-	19-Feb-2025	1879342
Ion Balance								
Ion balance (cations/anions)	----	97.2	0.010	%	EC101/EO	-	20-Feb-2025	-
Total Metals								
Aluminum, total	7429-90-5	0.0614	0.0030	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Arsenic, total	7440-38-2	0.00013	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Barium, total	7440-39-3	0.0159	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Boron, total	7440-42-8	0.014	0.010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Cadmium, total	7440-43-9	<0.0000050	0.0000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Calcium, total	7440-70-2	9.02	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Copper, total	7440-50-8	0.00076	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Iron, total	7439-89-6	<0.010	0.010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Lithium, total	7439-93-2	0.0029	0.0010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Magnesium, total	7439-95-4	2.76	0.0050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Manganese, total	7439-96-5	0.00626	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Molybdenum, total	7439-98-7	0.000194	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Potassium, total	7440-09-7	0.968	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Rubidium, total	7440-17-7	0.00093	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467



Analytical Results

FC2500392-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water FC WTP Lab Sink

Client sampling date / time: 17-Feb-2025 16:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLOT
Total Metals								
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Silicon, total	7440-21-3	2.04	0.10	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Sodium, total	7440-23-5	16.0	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Strontium, total	7440-24-6	0.0618	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Sulfur, total	7704-34-9	1.11	0.50	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Tin, total	7440-31-5	0.00016	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Titanium, total	7440-32-6	<0.00030	0.00030	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Uranium, total	7440-61-1	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0624	0.0010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Arsenic, dissolved	7440-38-2	0.00011	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Barium, dissolved	7440-39-3	0.0158	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Boron, dissolved	7440-42-8	0.013	0.010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Calcium, dissolved	7440-70-2	9.15	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Copper, dissolved	7440-50-8	0.00063	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Iron, dissolved	7439-89-6	<0.010	0.010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Lithium, dissolved	7439-93-2	0.0032	0.0010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Magnesium, dissolved	7439-95-4	2.68	0.0050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Manganese, dissolved	7439-96-5	0.00625	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Molybdenum, dissolved	7439-98-7	0.000193	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Potassium, dissolved	7440-09-7	0.923	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Rubidium, dissolved	7440-17-7	0.00090	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Silicon, dissolved	7440-21-3	2.07	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Sodium, dissolved	7440-23-5	15.4	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Strontium, dissolved	7440-24-6	0.0613	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471



Analytical Results

FC2500392-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water FC WTP Lab Sink

Client sampling date / time: 17-Feb-2025 16:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Dissolved Metals								
Sulfur, dissolved	7704-34-9	1.36	0.50	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Titanium, dissolved	7440-32-6	<0.00030	0.00030	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Uranium, dissolved	7440-61-1	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Zirconium, dissolved	7440-67-7	<0.00020	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	19-Feb-2025	1878471
Aggregate Organics								
Naphthenic acids	----	<1.0	1.0	mg/L	E565/EO	26-Feb-2025	28-Feb-2025	1887209
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	21-Feb-2025	21-Feb-2025	1881843
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	25-Feb-2025	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	21-Feb-2025	21-Feb-2025	1881625
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	21-Feb-2025	21-Feb-2025	1881625
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	21-Feb-2025	21-Feb-2025	1881625
Hydrocarbons, total (C6-C50)	n/a	<380	380	µg/L	EC581/EO	-	23-Feb-2025	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	104	1.0	%	E601/EO	21-Feb-2025	21-Feb-2025	1881625
Dichlorotoluene, 3,4-	95-75-0	106	1.0	%	E581.F1/EO	21-Feb-2025	21-Feb-2025	1881843
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	104	1.0	%	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Difluorobenzene, 1,4-	540-36-3	102	1.0	%	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626



Analytical Results

FC2500392-001

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Treated Water FC WTP Lab Sink

Client sampling date / time: 17-Feb-2025 16:25

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Polycyclic Aromatic Hydrocarbons								
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	94.4	0.1	%	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Naphthalene-d8	1146-65-2	106	0.1	%	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Phenanthrene-d10	1517-22-2	110	0.1	%	E641A/EO	21-Feb-2025	21-Feb-2025	1881626

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

Analytical Results

FC2500392-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap FC WTP lab (Raw tap)

Client sampling date / time: 17-Feb-2025 16:35

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Physical Tests								
Alkalinity, bicarbonate (as HCO ₃)	71-52-3	38.1	1.2	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Alkalinity, carbonate (as CO ₃)	3812-32-6	<0.6	0.6	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Alkalinity, hydroxide (as OH)	14280-30-9	<0.3	0.3	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Alkalinity, total (as CaCO ₃)	----	31.2	1.0	mg/L	E290/EO	19-Feb-2025	19-Feb-2025	1879089
Conductivity	----	85.4	1.0	µS/cm	E100/EO	19-Feb-2025	19-Feb-2025	1879088
Hardness (as CaCO ₃), dissolved	----	32.1	0.50	mg/L	EC100/EO	-	20-Feb-2025	-
pH	----	7.19	0.10	pH units	E108/EO	19-Feb-2025	19-Feb-2025	1879087
Salinity	----	<1.0	1.0	psu	EC100S/VA	-	24-Feb-2025	-
Solids, total dissolved [TDS], calculated	----	48.2	1.0	mg/L	EC103/EO	-	20-Feb-2025	-
Anions and Nutrients								
Chloride	16887-00-6	3.50	0.50	mg/L	E235.Cl/EO	19-Feb-2025	19-Feb-2025	1879407
Fluoride	16984-48-8	0.072	0.020	mg/L	E235.F/EO	19-Feb-2025	19-Feb-2025	1879404



Analytical Results

FC2500392-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap FC WTP lab (Raw tap)

Client sampling date / time: 17-Feb-2025 16:35

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Anions and Nutrients								
Nitrate (as N)	14797-55-8	0.051	0.020	mg/L	E235.NO3/EO	19-Feb-2025	19-Feb-2025	1879405
Nitrate + Nitrite (as N)	----	0.0510	0.0224	mg/L	EC235.N+N/EO	-	21-Feb-2025	-
Nitrite (as N)	14797-65-0	<0.010	0.010	mg/L	E235.NO2/EO	19-Feb-2025	19-Feb-2025	1879408
Sulfate (as SO4)	14808-79-8	3.86	0.30	mg/L	E235.SO4/EO	19-Feb-2025	19-Feb-2025	1879406
Total Sulfides								
Sulfide, total (as S)	18496-25-8	<0.0015	0.0015	mg/L	E395/CG	-	19-Feb-2025	1879342
Sulfide, total (as H2S)	7783-06-4	<0.0016	0.0016	mg/L	E395/CG	-	19-Feb-2025	1879342
Ion Balance								
Ion balance (cations/anions)	----	100	0.010	%	EC101/EO	-	20-Feb-2025	-
Total Metals								
Aluminum, total	7429-90-5	0.0364	0.0030	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Antimony, total	7440-36-0	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Arsenic, total	7440-38-2	0.00023	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Barium, total	7440-39-3	0.0160	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Beryllium, total	7440-41-7	<0.000020	0.000020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Bismuth, total	7440-69-9	<0.000050	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Boron, total	7440-42-8	0.012	0.010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Cadmium, total	7440-43-9	<0.0000050	0.0000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Calcium, total	7440-70-2	8.43	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Cesium, total	7440-46-2	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Chromium, total	7440-47-3	<0.00050	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Cobalt, total	7440-48-4	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Copper, total	7440-50-8	0.00142	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Iron, total	7439-89-6	0.091	0.010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Lead, total	7439-92-1	<0.000050	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Lithium, total	7439-93-2	0.0029	0.0010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Magnesium, total	7439-95-4	2.77	0.0050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Manganese, total	7439-96-5	0.00766	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Molybdenum, total	7439-98-7	0.000209	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Nickel, total	7440-02-0	<0.00050	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Phosphorus, total	7723-14-0	<0.050	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Potassium, total	7440-09-7	0.980	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Rubidium, total	7440-17-7	0.00103	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Selenium, total	7782-49-2	<0.000050	0.000050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Silicon, total	7440-21-3	2.35	0.10	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Silver, total	7440-22-4	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Sodium, total	7440-23-5	3.29	0.050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Strontium, total	7440-24-6	0.0613	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Sulfur, total	7704-34-9	1.24	0.50	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Tellurium, total	13494-80-9	<0.00020	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Thallium, total	7440-28-0	<0.000010	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Thorium, total	7440-29-1	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Tin, total	7440-31-5	0.00012	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Titanium, total	7440-32-6	0.00089	0.00030	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Tungsten, total	7440-33-7	<0.00010	0.00010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467



Analytical Results

FC2500392-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap FC WTP lab (Raw tap)

Client sampling date / time: 17-Feb-2025 16:35

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Total Metals								
Uranium, total	7440-61-1	0.000073	0.000010	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Vanadium, total	7440-62-2	<0.00050	0.00050	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Zinc, total	7440-66-6	<0.0030	0.0030	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Zirconium, total	7440-67-7	<0.00020	0.00020	mg/L	E420/EO	19-Feb-2025	19-Feb-2025	1878467
Dissolved Metals								
Aluminum, dissolved	7429-90-5	0.0355	0.0010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Antimony, dissolved	7440-36-0	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Arsenic, dissolved	7440-38-2	0.00021	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Barium, dissolved	7440-39-3	0.0158	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Beryllium, dissolved	7440-41-7	<0.000020	0.000020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Bismuth, dissolved	7440-69-9	<0.000050	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Boron, dissolved	7440-42-8	0.013	0.010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Cadmium, dissolved	7440-43-9	<0.0000050	0.0000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Calcium, dissolved	7440-70-2	8.33	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Cesium, dissolved	7440-46-2	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Chromium, dissolved	7440-47-3	<0.00050	0.00050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Cobalt, dissolved	7440-48-4	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Copper, dissolved	7440-50-8	0.00132	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Iron, dissolved	7439-89-6	0.083	0.010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Lead, dissolved	7439-92-1	<0.000050	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Lithium, dissolved	7439-93-2	0.0031	0.0010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Magnesium, dissolved	7439-95-4	2.74	0.0050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Manganese, dissolved	7439-96-5	0.00767	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Molybdenum, dissolved	7439-98-7	0.000205	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Nickel, dissolved	7440-02-0	<0.00050	0.00050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Phosphorus, dissolved	7723-14-0	<0.050	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Potassium, dissolved	7440-09-7	0.920	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Rubidium, dissolved	7440-17-7	0.00094	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Selenium, dissolved	7782-49-2	<0.000050	0.000050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Silicon, dissolved	7440-21-3	2.39	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Silver, dissolved	7440-22-4	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Sodium, dissolved	7440-23-5	3.23	0.050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Strontium, dissolved	7440-24-6	0.0605	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Sulfur, dissolved	7704-34-9	1.47	0.50	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Tellurium, dissolved	13494-80-9	<0.00020	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Thallium, dissolved	7440-28-0	<0.000010	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Thorium, dissolved	7440-29-1	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Tin, dissolved	7440-31-5	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Titanium, dissolved	7440-32-6	0.00090	0.00030	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Tungsten, dissolved	7440-33-7	<0.00010	0.00010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Uranium, dissolved	7440-61-1	0.000070	0.000010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Vanadium, dissolved	7440-62-2	<0.00050	0.00050	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Zinc, dissolved	7440-66-6	<0.0010	0.0010	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Zirconium, dissolved	7440-67-7	<0.00020	0.00020	mg/L	E421/EO	19-Feb-2025	19-Feb-2025	1878471
Dissolved metals filtration location	----	Field	-	-	EP421/EO	-	19-Feb-2025	1878471



Analytical Results

FC2500392-002

Sub-Matrix: Water

(Matrix: Water)

Client sample ID: Raw Water Chamber Tap FC WTP lab (Raw tap)

Client sampling date / time: 17-Feb-2025 16:35

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QC/Lot
Aggregate Organics								
Naphthenic acids	----	<1.0	1.0	mg/L	E565/EO	26-Feb-2025	28-Feb-2025	1887209
Volatile Organic Compounds [Fuels]								
Benzene	71-43-2	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Ethylbenzene	100-41-4	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Styrene	100-42-5	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Toluene	108-88-3	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Xylene, m+p-	179601-23-1	<0.40	0.40	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Xylene, o-	95-47-6	<0.30	0.30	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Xylenes, total	1330-20-7	<0.50	0.50	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
BTEX, total	----	<1.0	1.0	µg/L	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Hydrocarbons								
F1 (C6-C10)	----	<100	100	µg/L	E581.F1/EO	21-Feb-2025	21-Feb-2025	1881843
F1-BTEX	----	<100	100	µg/L	EC580/EO	-	25-Feb-2025	-
F2 (C10-C16)	----	<100	100	µg/L	E601/EO	21-Feb-2025	21-Feb-2025	1881625
F3 (C16-C34)	----	<250	250	µg/L	E601/EO	21-Feb-2025	21-Feb-2025	1881625
F4 (C34-C50)	----	<250	250	µg/L	E601/EO	21-Feb-2025	21-Feb-2025	1881625
Hydrocarbons, total (C6-C50)	n/a	<380	380	µg/L	EC581/EO	-	23-Feb-2025	-
Hydrocarbons Surrogates								
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	105	1.0	%	E601/EO	21-Feb-2025	21-Feb-2025	1881625
Dichlorotoluene, 3,4-	95-75-0	103	1.0	%	E581.F1/EO	21-Feb-2025	21-Feb-2025	1881843
Volatile Organic Compounds Surrogates								
Bromofluorobenzene, 4-	460-00-4	102	1.0	%	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Difluorobenzene, 1,4-	540-36-3	102	1.0	%	E611A/EO	21-Feb-2025	21-Feb-2025	1881844
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	83-32-9	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Acenaphthylene	208-96-8	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Acridine	260-94-6	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Anthracene	120-12-7	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benz(a)anthracene	56-55-3	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(a)pyrene	50-32-8	<0.0050	0.0050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(b+j)fluoranthene	n/a	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(b+j+k)fluoranthene	n/a	<0.015	0.015	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(g,h,i)perylene	191-24-2	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Benzo(k)fluoranthene	207-08-9	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Chrysene	218-01-9	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Dibenz(a,h)anthracene	53-70-3	<0.0050	0.0050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Fluoranthene	206-44-0	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Fluorene	86-73-7	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Methylnaphthalene, 1-	90-12-0	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Methylnaphthalene, 1+2-	----	<0.015	0.015	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Methylnaphthalene, 2-	91-57-6	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Naphthalene	91-20-3	<0.050	0.050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Phenanthrene	85-01-8	<0.020	0.020	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Pyrene	129-00-0	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626



Analytical Results

FC2500392-002

Sub-Matrix: **Water**

(Matrix: **Water**)

Client sample ID: Raw Water Chamber Tap FC WTP lab (Raw tap)

Client sampling date / time: 17-Feb-2025 16:35

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polycyclic Aromatic Hydrocarbons								
Quinoline	91-22-5	<0.050	0.050	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
B(a)P total potency equivalents [B(a)P TPE]	----	<0.010	0.010	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, high molecular weight (BC AWQ)	n/a	<0.030	0.03	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, low molecular weight (BC AWQ)	n/a	<0.060	0.06	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, total (CCME sewer 18)	n/a	<0.070	0.07	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
PAHs, total (EPA 16)	n/a	<0.065	0.065	µg/L	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Polycyclic Aromatic Hydrocarbons Surrogates								
Chrysene-d12	1719-03-5	85.8	0.1	%	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Naphthalene-d8	1146-65-2	95.0	0.1	%	E641A/EO	21-Feb-2025	21-Feb-2025	1881626
Phenanthrene-d10	1517-22-2	99.7	0.1	%	E641A/EO	21-Feb-2025	21-Feb-2025	1881626

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