



CERTIFICATE OF ANALYSIS

Work Order : **VA20A4609**
Client : **Urban Systems Ltd.**
Contact : Aaron Coelho
Address : 200 - 286 St. Paul Street
Kamloops BC Canada V2C 6G4
Telephone : (250)374-8311
Project : 1788.0002.16
PO : ----
C-O-C number : 17-758858
Sampler : ----
Site : ----
Quote number : Q58903
No. of samples received : 6
No. of samples analysed : 6

Page : 1 of 8
Laboratory : Vancouver - Environmental
Account Manager : Caitlin Fountain
Address : 8081 Lougheed Highway
Burnaby BC Canada V5A 1W9
Telephone : +1 604 253 4188
Date Samples Received : 09-Apr-2020 09:50
Date Analysis Commenced : 09-Apr-2020
Issue Date : 16-Apr-2020 10:59

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

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> |
|--------------------|-----------------------------|-----------------------------------|
| Aaron Yu | Laboratory Analyst | Metals, Burnaby, British Columbia |
| Angela Ren | Team Leader - Metals | Metals, Burnaby, British Columbia |
| Jashan Kaur | Lab Assistant | Metals, Burnaby, British Columbia |
| Kim Jensen | Department Manager - Metals | Metals, Burnaby, British Columbia |
| Robin Weeks | Team Leader - Metals | Metals, Burnaby, British Columbia |



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).

| <i>Unit</i> | <i>Description</i> |
|-------------|----------------------|
| - | No Unit |
| mg/L | milligrams per litre |

<: 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 in reports identified as "Preliminary Report" are considered authorized for use.

Qualifiers

| <i>Qualifier</i> | <i>Description</i> |
|------------------|--|
| DTSE | Dissolved Se concentration exceeds total. Positive bias on D-Se suspected due to signal enhancement from volatile selenium species. Contact ALS if an alternative test to address this interference is needed. |



Analytical Results

Sub-Matrix: Water

Client sample ID

(Matrix: Water)

| | | | | | Town Booster Station | Mackenzie Hospital | Public Works Lunch Room | Pump House #1 | #400 Skeene Drive |
|---------------------------------------|------------|-----------|-----------|------|----------------------|----------------------|-------------------------|----------------------|----------------------|
| Client sampling date / time | | | | | 08-Apr-2020 10:30 | 08-Apr-2020 11:11 | 08-Apr-2020 09:30 | 08-Apr-2020 11:30 | 08-Apr-2020 12:00 |
| Analyte | CAS Number | Method | LOR | Unit | VA20A4609-001 | VA20A4609-002 | VA20A4609-003 | VA20A4609-004 | VA20A4609-005 |
| | | | | | Result | Result | Result | Result | Result |
| Physical Tests | | | | | | | | | |
| hardness (as CaCO3), dissolved | ---- | EC100 | 0.60 | mg/L | 156 | 163 | 160 | 165 | 161 |
| hardness (as CaCO3), from total Ca/Mg | ---- | EC100A | 0.60 | mg/L | 158 | 156 | 167 | 167 | 165 |
| Total Metals | | | | | | | | | |
| aluminum, total | 7429-90-5 | E420 | 0.0030 | mg/L | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0037 |
| antimony, total | 7440-36-0 | E420 | 0.00010 | mg/L | 0.00038 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| arsenic, total | 7440-38-2 | E420 | 0.00010 | mg/L | 0.00357 | 0.00218 | 0.00258 | 0.00582 | 0.00210 |
| barium, total | 7440-39-3 | E420 | 0.00010 | mg/L | 0.0747 | 0.0656 | 0.0645 | 0.0808 | 0.0677 |
| beryllium, total | 7440-41-7 | E420 | 0.000020 | mg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| bismuth, total | 7440-69-9 | E420 | 0.000050 | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| boron, total | 7440-42-8 | E420 | 0.010 | mg/L | 0.020 | <0.010 | <0.010 | <0.010 | <0.010 |
| cadmium, total | 7440-43-9 | E420 | 0.0000050 | mg/L | 0.0000267 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| calcium, total | 7440-70-2 | E420 | 0.050 | mg/L | 49.8 | 48.6 | 53.1 | 52.0 | 51.8 |
| chromium, total | 7440-47-3 | E420.Cr-L | 0.00010 | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| cobalt, total | 7440-48-4 | E420 | 0.00010 | mg/L | 0.00018 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| copper, total | 7440-50-8 | E420 | 0.00050 | mg/L | 0.0662 | 0.365 | 0.107 | <0.00050 | 0.601 |
| iron, total | 7439-89-6 | E420 | 0.010 | mg/L | 0.655 | 0.047 | 0.059 | 0.189 | 0.053 |
| lead, total | 7439-92-1 | E420 | 0.000050 | mg/L | 0.0128 | 0.000058 | 0.000237 | <0.000050 | 0.00206 |
| lithium, total | 7439-93-2 | E420 | 0.0010 | mg/L | 0.0128 | 0.0046 | 0.0050 | 0.0056 | 0.0049 |
| magnesium, total | 7439-95-4 | E420 | 0.100 | mg/L | 8.26 | 8.41 | 8.36 | 8.95 | 8.79 |
| manganese, total | 7439-96-5 | E420 | 0.00010 | mg/L | 0.325 | 0.0206 | 0.0190 | 0.139 | 0.0522 |
| mercury, total | 7439-97-6 | E508 | 0.0000050 | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| molybdenum, total | 7439-98-7 | E420 | 0.000050 | mg/L | 0.000247 | 0.000555 | 0.000560 | 0.000980 | 0.000558 |
| nickel, total | 7440-02-0 | E420 | 0.00050 | mg/L | 0.00210 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| phosphorus, total | 7723-14-0 | E420 | 0.050 | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| potassium, total | 7440-09-7 | E420 | 0.100 | mg/L | 0.654 | 0.620 | 0.674 | 0.714 | 0.657 |
| selenium, total | 7782-49-2 | E420 | 0.000050 | mg/L | <0.000050 | 0.000058 | <0.000050 | <0.000050 | <0.000050 |
| silicon, total | 7440-21-3 | E420 | 0.10 | mg/L | 4.33 | 4.17 | 4.41 | 4.90 | 4.50 |
| silver, total | 7440-22-4 | E420 | 0.000010 | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000010 |
| sodium, total | 7440-23-5 | E420 | 0.050 | mg/L | 3.35 | 3.13 | 3.35 | 3.20 | 3.17 |
| strontium, total | 7440-24-6 | E420 | 0.00020 | mg/L | 0.211 | 0.208 | 0.209 | 0.206 | 0.209 |



Analytical Results

| Sub-Matrix: Water (Matrix: Water) | | | | | Client sample ID | Town Booster Station | Mackenzie Hospital | Public Works Lunch Room | Pump House #1 | #400 Skeene Drive |
|--------------------------------------|------------|-----------|-----------|------|----------------------|----------------------|----------------------|-------------------------|----------------------|-------------------|
| Client sampling date / time | | | | | 08-Apr-2020 10:30 | 08-Apr-2020 11:11 | 08-Apr-2020 09:30 | 08-Apr-2020 11:30 | 08-Apr-2020 12:00 | |
| Analyte | CAS Number | Method | LOR | Unit | VA20A4609-001 | VA20A4609-002 | VA20A4609-003 | VA20A4609-004 | VA20A4609-005 | |
| | | | | | Result | Result | Result | Result | Result | |
| Total Metals | | | | | | | | | | |
| sulfur, total | 7704-34-9 | E420 | 0.50 | mg/L | 3.26 | 3.40 | 3.46 | 3.52 | 3.56 | |
| thallium, total | 7440-28-0 | E420 | 0.000010 | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | |
| tin, total | 7440-31-5 | E420 | 0.00010 | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | |
| titanium, total | 7440-32-6 | E420 | 0.00030 | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | |
| uranium, total | 7440-61-1 | E420 | 0.000010 | mg/L | 0.00166 | 0.00170 | 0.00186 | 0.00282 | 0.00187 | |
| vanadium, total | 7440-62-2 | E420 | 0.00050 | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | |
| zinc, total | 7440-66-6 | E420 | 0.0030 | mg/L | 0.0998 | 0.0063 | 0.0122 | <0.0030 | 0.0245 | |
| zirconium, total | 7440-67-7 | E420 | 0.00030 | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | |
| Dissolved Metals | | | | | | | | | | |
| aluminum, dissolved | 7429-90-5 | E421 | 0.0010 | mg/L | 0.0020 | 0.0010 | 0.0010 | <0.0010 | 0.0011 | |
| antimony, dissolved | 7440-36-0 | E421 | 0.00010 | mg/L | 0.00034 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | |
| arsenic, dissolved | 7440-38-2 | E421 | 0.00010 | mg/L | 0.00360 | 0.00216 | 0.00263 | 0.00584 | 0.00240 | |
| barium, dissolved | 7440-39-3 | E421 | 0.00010 | mg/L | 0.0732 | 0.0655 | 0.0646 | 0.0820 | 0.0631 | |
| beryllium, dissolved | 7440-41-7 | E421 | 0.000020 | mg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | |
| bismuth, dissolved | 7440-69-9 | E421 | 0.000050 | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | |
| boron, dissolved | 7440-42-8 | E421 | 0.010 | mg/L | 0.022 | <0.010 | <0.010 | <0.010 | <0.010 | |
| cadmium, dissolved | 7440-43-9 | E421 | 0.0000050 | mg/L | 0.0000168 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | |
| calcium, dissolved | 7440-70-2 | E421 | 0.050 | mg/L | 48.2 | 50.8 | 49.8 | 51.0 | 49.9 | |
| chromium, dissolved | 7440-47-3 | E421.Cr-L | 0.00010 | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | |
| cobalt, dissolved | 7440-48-4 | E421 | 0.00010 | mg/L | 0.00014 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | |
| copper, dissolved | 7440-50-8 | E421 | 0.00020 | mg/L | 0.0637 | 0.367 | 0.0961 | 0.00023 | 0.601 | |
| iron, dissolved | 7439-89-6 | E421 | 0.010 | mg/L | 0.539 | 0.045 | 0.055 | 0.177 | 0.057 | |
| lead, dissolved | 7439-92-1 | E421 | 0.000050 | mg/L | 0.0105 | 0.000063 | 0.000197 | <0.000050 | 0.00173 | |
| lithium, dissolved | 7439-93-2 | E421 | 0.0010 | mg/L | 0.0126 | 0.0047 | 0.0046 | 0.0052 | 0.0045 | |
| magnesium, dissolved | 7439-95-4 | E421 | 0.100 | mg/L | 8.63 | 8.74 | 8.73 | 9.20 | 8.76 | |
| manganese, dissolved | 7439-96-5 | E421 | 0.00010 | mg/L | 0.264 | 0.0198 | 0.0170 | 0.127 | 0.0469 | |
| mercury, dissolved | 7439-97-6 | E509 | 0.0000050 | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000051 | |
| molybdenum, dissolved | 7439-98-7 | E421 | 0.000050 | mg/L | 0.000109 | 0.000513 | 0.000520 | 0.000660 | 0.000522 | |
| nickel, dissolved | 7440-02-0 | E421 | 0.00050 | mg/L | 0.00200 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | |
| phosphorus, dissolved | 7723-14-0 | E421 | 0.050 | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| potassium, dissolved | 7440-09-7 | E421 | 0.100 | mg/L | 0.618 | 0.628 | 0.626 | 0.690 | 0.616 | |



Analytical Results

| Sub-Matrix: Water (Matrix: Water) | | | | | Client sample ID | Town Booster Station | Mackenzie Hospital | Public Works Lunch Room | Pump House #1 | #400 Skeene Drive |
|---------------------------------------|------------|--------|----------|------|----------------------|----------------------|---------------------------|-------------------------|----------------------|-------------------|
| Client sampling date / time | | | | | 08-Apr-2020 10:30 | 08-Apr-2020 11:11 | 08-Apr-2020 09:30 | 08-Apr-2020 11:30 | 08-Apr-2020 12:00 | |
| Analyte | CAS Number | Method | LOR | Unit | VA20A4609-001 | VA20A4609-002 | VA20A4609-003 | VA20A4609-004 | VA20A4609-005 | |
| | | | | | Result | Result | Result | Result | Result | |
| Dissolved Metals | | | | | | | | | | |
| selenium, dissolved | 7782-49-2 | E421 | 0.000050 | mg/L | <0.000050 | <0.000050 | <0.000050 ^{DTSE} | <0.000050 | <0.000050 | |
| silicon, dissolved | 7440-21-3 | E421 | 0.050 | mg/L | 4.22 | 4.31 | 4.36 | 4.76 | 4.31 | |
| silver, dissolved | 7440-22-4 | E421 | 0.000010 | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000010 | |
| sodium, dissolved | 7440-23-5 | E421 | 0.050 | mg/L | 2.95 | 3.02 | 3.00 | 3.03 | 3.06 | |
| strontium, dissolved | 7440-24-6 | E421 | 0.00020 | mg/L | 0.201 | 0.211 | 0.209 | 0.206 | 0.204 | |
| sulfur, dissolved | 7704-34-9 | E421 | 0.50 | mg/L | 3.27 | 3.21 | 3.42 | 3.06 | 3.23 | |
| thallium, dissolved | 7440-28-0 | E421 | 0.000010 | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | |
| tin, dissolved | 7440-31-5 | E421 | 0.00010 | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | |
| titanium, dissolved | 7440-32-6 | E421 | 0.00030 | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | |
| uranium, dissolved | 7440-61-1 | E421 | 0.000010 | mg/L | 0.00162 | 0.00173 | 0.00174 | 0.00283 | 0.00169 | |
| vanadium, dissolved | 7440-62-2 | E421 | 0.00050 | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | |
| zinc, dissolved | 7440-66-6 | E421 | 0.0010 | mg/L | 0.0775 | 0.0059 | 0.0090 | 0.0027 | 0.0177 | |
| zirconium, dissolved | 7440-67-7 | E421 | 0.00030 | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | |
| dissolved metals filtration location | ---- | EP421 | - | - | Field | Field | Field | Field | Field | |
| dissolved mercury filtration location | ---- | EP509 | - | - | Field | Field | Field | Field | Field | |

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



Analytical Results

| Sub-Matrix: Water | | | | | Client sample ID | #216 Black Water Crest. | --- | --- | --- | --- |
|---------------------------------------|------------|-----------|-----------|------|-----------------------------|-------------------------|-------|-------|-------|-----|
| (Matrix: Water) | | | | | Client sampling date / time | 08-Apr-2020 11:00 | --- | --- | --- | --- |
| Analyte | CAS Number | Method | LOR | Unit | VA20A4609-006 | ----- | ----- | ----- | ----- | |
| | | | | | Result | --- | --- | --- | --- | |
| Physical Tests | | | | | | | | | | |
| hardness (as CaCO3), dissolved | --- | EC100 | 0.60 | mg/L | 164 | --- | --- | --- | --- | |
| hardness (as CaCO3), from total Ca/Mg | --- | EC100A | 0.60 | mg/L | 168 | --- | --- | --- | --- | |
| Total Metals | | | | | | | | | | |
| aluminum, total | 7429-90-5 | E420 | 0.0030 | mg/L | <0.0030 | --- | --- | --- | --- | |
| antimony, total | 7440-36-0 | E420 | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| arsenic, total | 7440-38-2 | E420 | 0.00010 | mg/L | 0.00263 | --- | --- | --- | --- | |
| barium, total | 7440-39-3 | E420 | 0.00010 | mg/L | 0.0639 | --- | --- | --- | --- | |
| beryllium, total | 7440-41-7 | E420 | 0.000020 | mg/L | <0.000020 | --- | --- | --- | --- | |
| bismuth, total | 7440-69-9 | E420 | 0.000050 | mg/L | <0.000050 | --- | --- | --- | --- | |
| boron, total | 7440-42-8 | E420 | 0.010 | mg/L | <0.010 | --- | --- | --- | --- | |
| cadmium, total | 7440-43-9 | E420 | 0.0000050 | mg/L | <0.0000050 | --- | --- | --- | --- | |
| calcium, total | 7440-70-2 | E420 | 0.050 | mg/L | 53.8 | --- | --- | --- | --- | |
| chromium, total | 7440-47-3 | E420.Cr-L | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| cobalt, total | 7440-48-4 | E420 | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| copper, total | 7440-50-8 | E420 | 0.00050 | mg/L | 0.0906 | --- | --- | --- | --- | |
| iron, total | 7439-89-6 | E420 | 0.010 | mg/L | 0.073 | --- | --- | --- | --- | |
| lead, total | 7439-92-1 | E420 | 0.000050 | mg/L | 0.000815 | --- | --- | --- | --- | |
| lithium, total | 7439-93-2 | E420 | 0.0010 | mg/L | 0.0049 | --- | --- | --- | --- | |
| magnesium, total | 7439-95-4 | E420 | 0.100 | mg/L | 8.18 | --- | --- | --- | --- | |
| manganese, total | 7439-96-5 | E420 | 0.00010 | mg/L | 0.0297 | --- | --- | --- | --- | |
| mercury, total | 7439-97-6 | E508 | 0.0000050 | mg/L | <0.0000050 | --- | --- | --- | --- | |
| molybdenum, total | 7439-98-7 | E420 | 0.000050 | mg/L | 0.000541 | --- | --- | --- | --- | |
| nickel, total | 7440-02-0 | E420 | 0.00050 | mg/L | <0.00050 | --- | --- | --- | --- | |
| phosphorus, total | 7723-14-0 | E420 | 0.050 | mg/L | <0.050 | --- | --- | --- | --- | |
| potassium, total | 7440-09-7 | E420 | 0.100 | mg/L | 0.705 | --- | --- | --- | --- | |
| selenium, total | 7782-49-2 | E420 | 0.000050 | mg/L | <0.000050 | --- | --- | --- | --- | |
| silicon, total | 7440-21-3 | E420 | 0.10 | mg/L | 4.52 | --- | --- | --- | --- | |
| silver, total | 7440-22-4 | E420 | 0.000010 | mg/L | <0.000010 | --- | --- | --- | --- | |
| sodium, total | 7440-23-5 | E420 | 0.050 | mg/L | 3.18 | --- | --- | --- | --- | |
| strontium, total | 7440-24-6 | E420 | 0.00020 | mg/L | 0.209 | --- | --- | --- | --- | |
| sulfur, total | 7704-34-9 | E420 | 0.50 | mg/L | 3.56 | --- | --- | --- | --- | |



Analytical Results

| Sub-Matrix: Water | | | | | Client sample ID | #216 Black Water Crest. | --- | --- | --- | --- |
|-------------------------|------------|-----------|-----------|------|-----------------------------|-------------------------|-------|-------|-------|-----|
| (Matrix: Water) | | | | | Client sampling date / time | 08-Apr-2020 11:00 | --- | --- | --- | --- |
| Analyte | CAS Number | Method | LOR | Unit | VA20A4609-006 | ----- | ----- | ----- | ----- | |
| | | | | | Result | --- | --- | --- | --- | |
| Total Metals | | | | | | | | | | |
| thallium, total | 7440-28-0 | E420 | 0.000010 | mg/L | <0.000010 | --- | --- | --- | --- | |
| tin, total | 7440-31-5 | E420 | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| titanium, total | 7440-32-6 | E420 | 0.00030 | mg/L | <0.00030 | --- | --- | --- | --- | |
| uranium, total | 7440-61-1 | E420 | 0.000010 | mg/L | 0.00182 | --- | --- | --- | --- | |
| vanadium, total | 7440-62-2 | E420 | 0.00050 | mg/L | <0.00050 | --- | --- | --- | --- | |
| zinc, total | 7440-66-6 | E420 | 0.0030 | mg/L | 0.0270 | --- | --- | --- | --- | |
| zirconium, total | 7440-67-7 | E420 | 0.00030 | mg/L | <0.00030 | --- | --- | --- | --- | |
| Dissolved Metals | | | | | | | | | | |
| aluminum, dissolved | 7429-90-5 | E421 | 0.0010 | mg/L | 0.0011 | --- | --- | --- | --- | |
| antimony, dissolved | 7440-36-0 | E421 | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| arsenic, dissolved | 7440-38-2 | E421 | 0.00010 | mg/L | 0.00266 | --- | --- | --- | --- | |
| barium, dissolved | 7440-39-3 | E421 | 0.00010 | mg/L | 0.0655 | --- | --- | --- | --- | |
| beryllium, dissolved | 7440-41-7 | E421 | 0.000020 | mg/L | <0.000020 | --- | --- | --- | --- | |
| bismuth, dissolved | 7440-69-9 | E421 | 0.000050 | mg/L | <0.000050 | --- | --- | --- | --- | |
| boron, dissolved | 7440-42-8 | E421 | 0.010 | mg/L | <0.010 | --- | --- | --- | --- | |
| cadmium, dissolved | 7440-43-9 | E421 | 0.0000050 | mg/L | <0.0000050 | --- | --- | --- | --- | |
| calcium, dissolved | 7440-70-2 | E421 | 0.050 | mg/L | 51.2 | --- | --- | --- | --- | |
| chromium, dissolved | 7440-47-3 | E421.Cr-L | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| cobalt, dissolved | 7440-48-4 | E421 | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| copper, dissolved | 7440-50-8 | E421 | 0.00020 | mg/L | 0.0870 | --- | --- | --- | --- | |
| iron, dissolved | 7439-89-6 | E421 | 0.010 | mg/L | 0.070 | --- | --- | --- | --- | |
| lead, dissolved | 7439-92-1 | E421 | 0.000050 | mg/L | 0.000835 | --- | --- | --- | --- | |
| lithium, dissolved | 7439-93-2 | E421 | 0.0010 | mg/L | 0.0047 | --- | --- | --- | --- | |
| magnesium, dissolved | 7439-95-4 | E421 | 0.100 | mg/L | 8.74 | --- | --- | --- | --- | |
| manganese, dissolved | 7439-96-5 | E421 | 0.00010 | mg/L | 0.0269 | --- | --- | --- | --- | |
| mercury, dissolved | 7439-97-6 | E509 | 0.0000050 | mg/L | <0.0000050 | --- | --- | --- | --- | |
| molybdenum, dissolved | 7439-98-7 | E421 | 0.000050 | mg/L | 0.000532 | --- | --- | --- | --- | |
| nickel, dissolved | 7440-02-0 | E421 | 0.00050 | mg/L | <0.00050 | --- | --- | --- | --- | |
| phosphorus, dissolved | 7723-14-0 | E421 | 0.050 | mg/L | <0.050 | --- | --- | --- | --- | |
| potassium, dissolved | 7440-09-7 | E421 | 0.100 | mg/L | 0.700 | --- | --- | --- | --- | |
| selenium, dissolved | 7782-49-2 | E421 | 0.000050 | mg/L | <0.000050 | --- | --- | --- | --- | |



Analytical Results

| Sub-Matrix: Water | | | | | Client sample ID | #216 Black Water Crest. | --- | --- | --- | --- |
|---------------------------------------|------------|--------|----------|------|-----------------------------|-------------------------|-------|-------|-------|-----|
| (Matrix: Water) | | | | | Client sampling date / time | 08-Apr-2020 11:00 | --- | --- | --- | --- |
| Analyte | CAS Number | Method | LOR | Unit | VA20A4609-006 | ----- | ----- | ----- | ----- | |
| | | | | | Result | --- | --- | --- | --- | |
| Dissolved Metals | | | | | | | | | | |
| silicon, dissolved | 7440-21-3 | E421 | 0.050 | mg/L | 4.22 | --- | --- | --- | --- | |
| silver, dissolved | 7440-22-4 | E421 | 0.000010 | mg/L | <0.000010 | --- | --- | --- | --- | |
| sodium, dissolved | 7440-23-5 | E421 | 0.050 | mg/L | 3.12 | --- | --- | --- | --- | |
| strontium, dissolved | 7440-24-6 | E421 | 0.00020 | mg/L | 0.214 | --- | --- | --- | --- | |
| sulfur, dissolved | 7704-34-9 | E421 | 0.50 | mg/L | 3.28 | --- | --- | --- | --- | |
| thallium, dissolved | 7440-28-0 | E421 | 0.000010 | mg/L | <0.000010 | --- | --- | --- | --- | |
| tin, dissolved | 7440-31-5 | E421 | 0.00010 | mg/L | <0.00010 | --- | --- | --- | --- | |
| titanium, dissolved | 7440-32-6 | E421 | 0.00030 | mg/L | <0.00030 | --- | --- | --- | --- | |
| uranium, dissolved | 7440-61-1 | E421 | 0.000010 | mg/L | 0.00180 | --- | --- | --- | --- | |
| vanadium, dissolved | 7440-62-2 | E421 | 0.00050 | mg/L | <0.00050 | --- | --- | --- | --- | |
| zinc, dissolved | 7440-66-6 | E421 | 0.0010 | mg/L | 0.0275 | --- | --- | --- | --- | |
| zirconium, dissolved | 7440-67-7 | E421 | 0.00030 | mg/L | <0.00030 | --- | --- | --- | --- | |
| dissolved metals filtration location | --- | EP421 | - | - | Field | --- | --- | --- | --- | |
| dissolved mercury filtration location | --- | EP509 | - | - | Field | --- | --- | --- | --- | |

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