



2018-08-27 13:15 / 20°C

CERTIFICATE OF ANALYSIS

You know that the sample you collected after

snowshoeing to site, digging 5 meters, and

racing to get it on a plane so you can submit it

to the lab for time sensitive results needed to

make important and expensive decisions

(whew) is VERY important. We know that too.

REPORTED TO Glenmore Ellison Improvement District

> 445 Glenmore Road KELOWNA. BC V1V 1Z6

ATTENTION Andrew Cammell **WORK ORDER** 8082485

PO NUMBER

REPORTED 2018-10-11 13:41 **PROJECT Drinking Water** EnviroChain **COC NUMBER**

PROJECT INFO

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO 17025:2005 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks

We've Got Chemistry

It's simple. We figure the more you enjoy with fun and working our engaged team the more members; likely you are to give us continued opportunities to support you.

Ahead of the Curve

RECEIVED / TEMP

Through research, regulation knowledge, and instrumentation, are your analytical centre the knowledge technical you BEFORE you need it, so you can stay up to date and in the know.

If you have any questions or concerns, please contact me at jshanko@caro.ca

Authorized By:

Jennifer Shanko, A.Sc.T. Account Manager

1-888-311-8846 | www.caro.ca



TEST RESULTS

| WT# 3363 - Union Road Post Res. (8082485-11) Matrix: Water Sampled: 2018-08-27 08:00 Anions Chloride 6.75 AO ≤ 250 0.10 mg/L 2018-08-28 Fluoride 0.16 MAC = 1.5 0.10 mg/L 2018-08-28 Nitrate (as N) 0.083 MAC = 1 0.010 mg/L 2018-08-28 Nitrate (as N) 0.010 MAC = 1 0.010 mg/L 2018-08-28 Sulfate 28.3 AO ≤ 500 1.0 mg/L 2018-08-28 Sulfate 28.3 AO ≤ 500 1.0 mg/L 2018-08-28 Hardness, Total (as CaCO3) 122 None Required 0.50 mg/L N/A Langeler Index -0.8 N/A -5.0 - 2018-09-04 Solids, Total Dissolved 160 AO ≤ 500 1.0 mg/L N/A Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenolphthalein (as CaCO3) 1.10 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenolphthalein (as CaCO3) 1.11 N/A 1.0 mg/L 2018-08-30 | REPORTED TO PROJECT | Glenmore Ellison Improvement District Drinking Water | | | | WORK ORDER REPORTED | 8082485 2018-10-11 13:41 | |
|---|---------------------------------------|---|--------------------|---------------------------------------|---------------|------------------------|-----------------------------|-----------|
| Anions Chloride 6.75 AO ≤ 250 0.10 mg/L 2018-08-28 Fluoride 0.16 MAC = 1.5 0.10 mg/L 2018-08-28 Nitrate (as N) 0.083 MAC = 1.0 0.010 mg/L 2018-08-28 Nitrate (as N) < 0.010 MAC = 1 0.010 mg/L 2018-08-28 Sulfate 29.3 AO ≤ 500 1.0 mg/L 2018-08-28 Sulfate 29.3 AO ≤ 500 1.0 mg/L 2018-08-28 Calculated Parameters Hardness, Total (as CaCO3) 122 None Required 0.500 mg/L N/A Hardness, Total (as CaCO3) 168 AO ≤ 500 1.0 mg/L N/A Hardness, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenophthalein (as CaCO3) 1.1 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenophthalein (as CaCO3) 1.1 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenophthalein (as CaCO3) 1.1 N/A 1.0 mg/L 2018-08-30 Alkalinity, Hydroxide (as CaCO3) | Analyte | | Result | Guideline | RL | Units | Analyzed | Qualifier |
| Chloride 6.75 AO ≤ 250 0.10 mg/L 2018-08-28 Fluoride 0.16 MAC = 1.5 0.10 mg/L 2018-08-28 Nitrate (as N) 0.083 MAC = 10 0.010 mg/L 2018-08-28 Nitrate (as N) < 0.010 | WT# 3363 - Unior | n Road Post Res. (80824 | 85-11) Matrix: W | ater Sampled: 201 | 18-08-27 08:0 | 00 | | |
| Fluoride 0.16 MAC = 1.5 0.10 mg/L 2018-08-28 Nitrate (as N) 0.083 MAC = 10 0.010 mg/L 2018-08-28 Sulfate 29.3 AO ≤ 500 1.0 mg/L 2018-08-28 Sulfate 29.3 AO ≤ 500 1.0 mg/L 2018-08-28 Calculated Parameters Sulfate 2.0 N/A -5.0 2018-08-28 Hardness, Total (as CaCO3) 122 None Required 0.60 mg/L N/A Solids, Total Dissolved 160 AO ≤ 500 1.00 mg/L N/A Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bearbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bicarbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bicarbonate (as CaCO3) 1.10 N/A 1.0 mg/L 2018-08-30 Alkalinity, Birdyroxide (as CaCO3) <1.0 | Anions | | | | | | | |
| Fluoride | Chloride | | 6.75 | AO ≤ 250 | 0.10 | ma/L | 2018-08-28 | |
| Nitrate (as N) | Fluoride | | 0.16 | MAC = 1.5 | | | 2018-08-28 | |
| Nitrite (as N) | Nitrate (as N) | | 0.083 | MAC = 10 | | | 2018-08-28 | |
| Sulfate 29.3 AO ≤ 500 1.0 mg/L 2018-08-28 Calculated Parameters Hardness, Total (as CaCO3) 122 None Required 0.500 mg/L N/A Langeller Index 4.8 N/A 5.5.0 2018-09-04 Long March N/A 1.0 mg/L N/A N/A 1.0 mg/L N/A 1.0 mg/L N/A 1.0 mg/L N/A 1.0 mg/L 2018-09-30 1.0 March Individual (as CaCO3) 1.11 N/A 1.0 mg/L 2018-08-30 1.0 N/A 1.0 mg/L 2018-08-30 1 | | | | MAC = 1 | | | 2018-08-28 | |
| Calculated Parameters Hardness, Total (as CaCO3) 122 None Required 0.500 mg/L N/A Langelier Index -0.8 N/A 5.0 - 2018-09-04 Solids, Total Dissolved 160 AO ≤ 500 1.00 mg/L N/A Ceneral Parameters Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenolphthalein (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Elecarbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Hydroxide (as CaCO3) 1.10 N/A 1.0 mg/L 2018-08-30 Alkalinity, Elecarbonate (as CaCO3) < 1.0 | | | | | | | | |
| Hardness, Total (as CaCO3) | Calculated Parame | ters | | | | <u> </u> | | |
| Langelier Index 4.8 N/A 4.5.0 - 1.00 mg/L 2018-09-04 Solids, Total Dissolved 160 AO ≤ 500 1.00 mg/L N/A Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bencolphthalein (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Carbonate (as CaCO3) 1.10 N/A 1.0 mg/L 2018-08-30 Alkalinity, Carbonate (as CaCO3) < 1.0 | | | 122 | None Required | 0.500 | mg/L | N/A | |
| General Parameters Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenolphthalein (as CaCO3) 1.10 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bicarbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Edrobanet (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Hydroxide (as CaCO3) <1.0 N/A 1.0 mg/L 2018-08-30 Alkalinity, Hydroxide (as CaCO3) <1.0 N/A 1.0 mg/L 2018-08-30 Colour, True <5.0 AO ≤ 15 5.0 CU 2018-08-28 Conductivity (EC) 282 N/A 2.0 p/s/cm 2018-08-30 HT2 Uph 7.05 7.0-10.5 0.10 pH units 2018-08-30 HT2 Temperature, at pH 20.2 N/A 0.0 p Units 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 NTU 2018-08 | <u>`</u> | , | -0.8 | · · · · · · · · · · · · · · · · · · · | -5.0 | - | 2018-09-04 | |
| Alkalinity, Total (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Phenolphthalein (as CaCO3) < 1.0 | | olved | | | | | | |
| Alkalinity, Phenolphthalein (as CaCO3) < 1.0 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bicarbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Carbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Hydroxide (as CaCO3) < 1.0 N/A 1.0 mg/L 2018-08-30 Colour, True < 5.0 AO ≤ 15 5.0 CU 2018-08-28 Conductivity (EC) 282 N/A 2.0 µS/cm 2018-08-28 Cyanide, Total < 0.0020 MAC = 0.2 2.00020 mg/L 2018-08-30 HT2 Temperature, at pH 7.05 7.0-10.5 0.10 pH units 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 NTU 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 pH units 2018-08-28 Microbiological Parameters Microbiological Parameters C 1 CFU/100 mL 2018-08-29 | | | | | | - | | |
| Alkalinity, Phenolphthalein (as CaCO3) < 1.0 N/A 1.0 mg/L 2018-08-30 Alkalinity, Bicarbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Carbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Hydroxide (as CaCO3) < 1.0 N/A 1.0 mg/L 2018-08-30 Colour, True < 5.0 AO ≤ 15 5.0 CU 2018-08-28 Conductivity (EC) 282 N/A 2.0 µS/cm 2018-08-28 Cyanide, Total < 0.0020 MAC = 0.2 2.00020 mg/L 2018-08-30 HT2 Temperature, at pH 7.05 7.0-10.5 0.10 pH units 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 NTU 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 pH units 2018-08-28 Microbiological Parameters Microbiological Parameters C 1 CFU/100 mL 2018-08-29 | Alkalinity Total (as | s CaCO3) | 111 | N/A | 1.0 | ma/l | 2018-08-30 | |
| Alkalinity, Bicarbonate (as CaCO3) 111 N/A 1.0 mg/L 2018-08-30 Alkalinity, Carbonate (as CaCO3) < 1.0 | | <u> </u> | | | | | | |
| Alkalinity, Carbonate (as CaCO3) < 1.0 | | , | | | | | | |
| Alkalinity, Hydroxide (as CaCO3) | | , | | | | | | |
| Colour, True < 5.0 AO ≤ 15 5.0 CU 2018-08-28 Conductivity (EC) 282 N/A 2.0 µS/cm 2018-08-30 Cyanide, Total < 0.0020 MAC = 0.2 0.0020 mg/L 2018-08-28 pH 7.05 7.0-10.5 0.10 pH units 2018-08-30 HT2 Temperature, at pH 22.1 N/A °C 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 NTU 2018-08-28 Microbiological Parameters Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2018-08-28 Microbiological Parameters Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2018-08-28 Microbiological Parameters Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2018-08-27 Trate Machael At machael <1 MAC = 0 1 CFU/100 mL <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | |
| Conductivity (EC) 282 N/A 2.0 μS/cm 2018-08-30 Cyanide, Total < 0.0020 | | de (do edece) | | | | | | |
| Cyanide, Total < 0.0020 MAC = 0.2 0.0020 mg/L 2018-08-28 pH 7.05 7.0-10.5 0.10 pH units 2018-08-30 HT2 Temperature, at pH 22.1 N/A °C 2018-08-30 HT2 Turbidity 0.24 OG < 1 | | | | | | | | |
| pH 7.05 7.0-10.5 0.10 pH units 2018-08-30 HT2 Temperature, at pH 22.1 N/A °C 2018-08-30 HT2 Turbidity 0.24 OG < 1 | | | | | | · | | |
| Temperature, at pH 22.1 N/A °C 2018-08-30 HT2 Turbidity 0.24 OG < 1 0.10 NTU 2018-08-28 Microbiological Parameters Coliforms, Total < 1 MAC = 0 1 CFU/100 mL 2018-08-27 E. coli < 1 MAC = 0 1 CFU/100 mL 2018-08-27 Total Metals Aluminum, total 0.0078 OG < 0.1 0.0050 mg/L 2018-08-29 Antimony, total < 0.00020 MAC = 0.006 0.00020 mg/L 2018-08-29 Arsenic, total 0.0019 MAC = 0.01 0.0050 mg/L 2018-08-29 Barium, total 0.0219 MAC = 0.01 0.0050 mg/L 2018-08-29 Boron, total 0.0121 MAC = 5 0.0050 mg/L 2018-08-29 Cadmium, total 40.00010 MAC = 0.005 0.00010 mg/L 2018-08-29 Calcium, total 32.9 None Required 0.20 mg/L 2018-08-29 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>HT2</td> | | | | | | | | HT2 |
| Turbidity 0.24 OG < 1 0.10 NTU 2018-08-28 Microbiological Parameters Coliforms, Total < 1 | | H | | | 0.10 | • | | |
| Microbiological Parameters Coliforms, Total < 1 | | 11 | | | 0.10 | | | 1112 |
| Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2018-08-27 E. coli <1 | | rameters | 0.24 | 00 1 | 0.10 | INTO | 2010-00-20 | |
| E. coli <1 MAC = 0 1 CFU/100 mL 2018-08-27 Total Metals Aluminum, total 0.0078 OG < 0.1 | • | rumeters | < 1 | MAC = 0 | 1 | CFU/100 ml | 2018-08-27 | |
| Total Metals Aluminum, total 0.0078 OG < 0.1 0.0050 mg/L 2018-08-29 Antimony, total < 0.00020 | | | | | | | | |
| Aluminum, total 0.0078 OG < 0.1 0.0050 mg/L 2018-08-29 Antimony, total < 0.00020 | Total Metals | | | | | | | |
| Antimony, total < 0.00020 MAC = 0.006 0.00020 mg/L 2018-08-29 Arsenic, total 0.00054 MAC = 0.01 0.00050 mg/L 2018-08-29 Barium, total 0.0219 MAC = 1 0.0050 mg/L 2018-08-29 Boron, total 0.0121 MAC = 5 0.0050 mg/L 2018-08-29 Cadmium, total < 0.000010 MAC = 0.005 0.00010 mg/L 2018-08-29 Calcium, total 32.9 None Required 0.20 mg/L 2018-08-29 Chromium, total < 0.00050 MAC = 0.05 0.00050 mg/L 2018-08-29 Cobalt, total < 0.00010 N/A 0.00010 mg/L 2018-08-29 Copper, total 0.00199 AO ≤ 1 0.00040 mg/L 2018-08-29 Iron, total 0.017 AO ≤ 0.3 0.010 mg/L 2018-08-29 Lead, total < 0.00020 MAC = 0.01 0.00020 mg/L 2018-08-29 Manganesium, total 9.58 None Required 0.010 mg/L 2018-08-29 Manganese, total | | | 0.0070 | 00 < 0.1 | 0.0050 | ma/l | 2019 09 20 | |
| Arsenic, total 0.00054 MAC = 0.01 0.00050 mg/L 2018-08-29 Barium, total 0.0219 MAC = 1 0.0050 mg/L 2018-08-29 Boron, total 0.0121 MAC = 5 0.0050 mg/L 2018-08-29 Cadmium, total <0.000010 | | | | | | | | |
| Barium, total 0.0219 MAC = 1 0.0050 mg/L 2018-08-29 Boron, total 0.0121 MAC = 5 0.0050 mg/L 2018-08-29 Cadmium, total < 0.000010 | | | | | | | | |
| Boron, total 0.0121 MAC = 5 0.0050 mg/L 2018-08-29 Cadmium, total < 0.000010 | | | | | | | | |
| Cadmium, total < 0.000010 MAC = 0.005 0.000010 mg/L 2018-08-29 Calcium, total 32.9 None Required 0.20 mg/L 2018-08-29 Chromium, total < 0.00050 MAC = 0.05 0.00050 mg/L 2018-08-29 Cobalt, total < 0.00010 N/A 0.00010 mg/L 2018-08-29 Copper, total 0.00199 AO ≤ 1 0.00040 mg/L 2018-08-29 Iron, total 0.017 AO ≤ 0.3 0.010 mg/L 2018-08-29 Lead, total < 0.00020 MAC = 0.01 0.00020 mg/L 2018-08-29 Magnesium, total 9.58 None Required 0.010 mg/L 2018-08-29 Manganese, total 0.00149 AO ≤ 0.05 0.00020 mg/L 2018-08-29 | | | | | | | | |
| Calcium, total 32.9 None Required 0.20 mg/L $2018-08-29$ Chromium, total < 0.00050 MAC = 0.05 0.00050 mg/L $2018-08-29$ Cobalt, total < 0.00010 N/A 0.00010 mg/L $2018-08-29$ Copper, total < 0.00199 AO ≤ 1 0.00040 mg/L $2018-08-29$ Iron, total < 0.017 AO ≤ 0.3 < 0.010 mg/L $< 2018-08-29$ Lead, total < 0.00020 MAC = < 0.01 < 0.00020 mg/L $< 2018-08-29$ Magnesium, total < 0.00149 AO ≤ 0.05 < 0.00020 mg/L $< 2018-08-29$ Manganese, total < 0.00149 AO ≤ 0.05 < 0.00020 mg/L $< 2018-08-29$ | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | |
| Cobalt, total < 0.00010 N/A 0.00010 mg/L $2018-08-29$ Copper, total 0.00199 AO ≤ 1 0.00040 mg/L $2018-08-29$ Iron, total 0.017 AO ≤ 0.3 0.010 mg/L $2018-08-29$ Lead, total < 0.00020 MAC = 0.01 0.00020 mg/L $2018-08-29$ Magnesium, total < 0.00149 AO ≤ 0.05 < 0.00020 mg/L $< 0.08-29$ Manganese, total < 0.00149 AO ≤ 0.05 < 0.00020 mg/L $< 0.08-29$ | | | | · · · · · · · · · · · · · · · · · · · | | | | |
| Copper, total 0.00199 AO ≤ 1 0.00040 mg/L 2018-08-29 Iron, total 0.017 AO ≤ 0.3 0.010 mg/L 2018-08-29 Lead, total < 0.00020 | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| Iron, total 0.017 AO ≤ 0.3 0.010 mg/L 2018-08-29 Lead, total < 0.00020 | | | | | | | | |
| Lead, total < 0.00020 MAC = 0.01 0.00020 mg/L 2018-08-29 Magnesium, total 9.58 None Required 0.010 mg/L 2018-08-29 Manganese, total 0.00149 AO ≤ 0.05 0.00020 mg/L 2018-08-29 | | | | | | | | |
| Magnesium, total 9.58 None Required 0.010 mg/L 2018-08-29 Manganese, total 0.00149 AO ≤ 0.05 0.00020 mg/L 2018-08-29 | | | | | | | | |
| Manganese, total 0.00149 AO ≤ 0.05 0.00020 mg/L 2018-08-29 | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| | | | | • | | | | |
| | Mercury, total | | < 0.000149 | MAC = 0.001 | | | 2018-08-29 | |



TEST RESULTS

REPORTED TO Glenmore Ellison Improvement District

PROJECT Drinking Water

WORK ORDER

8082485

REPORTED 2018-10-11 13:41

| | Analyte | Result | Guideline | RL Units | Anaiyzed | Qualifier |
|---|---------|--------|-----------|----------|----------|-----------|
| _ | | | | | | |
| | | | | | | |

WT# 3363 - Union Road Post Res. (8082485-11) | Matrix: Water | Sampled: 2018-08-27 08:00, Continued

| otal Metals, Continued | | | | |
|------------------------|-----------|------------|---------------|------------|
| Molybdenum, total | 0.00359 | N/A | 0.00010 mg/L | 2018-08-29 |
| Nickel, total | < 0.00040 | N/A | 0.00040 mg/L | 2018-08-29 |
| Potassium, total | 2.31 | N/A | 0.10 mg/L | 2018-08-29 |
| Selenium, total | 0.00051 | MAC = 0.05 | 0.00050 mg/L | 2018-08-29 |
| Sodium, total | 11.4 | AO ≤ 200 | 0.10 mg/L | 2018-08-29 |
| Strontium, total | 0.281 | N/A | 0.0010 mg/L | 2018-08-29 |
| Uranium, total | 0.00256 | MAC = 0.02 | 0.000020 mg/L | 2018-08-29 |
| Zinc, total | < 0.0040 | AO ≤ 5 | 0.0040 mg/L | 2018-08-29 |

Sample Qualifiers:

HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Glenmore Ellison Improvement District

PROJECT Drinking Water

WORK ORDER

8082485

REPORTED 2018-10-11 13:41

| Analysis Description | Method Ref. | Technique | Location |
|----------------------------------|---------------------------|--|----------|
| Alkalinity in Water | SM 2320 B* (2011) | Titration with H2SO4 | Kelowna |
| Anions in Water | SM 4110 B (2011) | Ion Chromatography | Kelowna |
| Coliforms, Total in Water | SM 9222* (2006) | Membrane Filtration / Chromocult Agar | Kelowna |
| Colour, True in Water | SM 2120 C (2011) | Spectrophotometry (456 nm) | Kelowna |
| Conductivity in Water | SM 2510 B (2011) | Conductivity Meter | Kelowna |
| Cyanide, SAD in Water | ASTM D7511-12 | Flow Injection with In-Line UV Digestion and Amperometry | Kelowna |
| E. coli in Water | SM 9222* (2006) | Membrane Filtration / Chromocult Agar | Kelowna |
| Hardness in Water | SM 2340 B* (2011) | Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est) | N/A |
| Langelier Index in Water | SM 2330 B (2010) | Calculation | N/A |
| Mercury, total in Water | EPA 245.7* | BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS) | Richmond |
| pH in Water | SM 4500-H+ B (2011) | Electrometry | Kelowna |
| Solids, Total Dissolved in Water | SM 1030 E (2011) | Calculation: 100 x ([Cations]-[Anions])/([Cations]+[Anions]) | N/A |
| Total Metals in Water | EPA 200.2* / EPA 6020B | HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS) | Richmond |
| Turbidity in Water | SM 2130 B (2011) | Nephelometry | Kelowna |

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL Reporting Limit (default)

< Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors

°C Degrees Celcius AO Aesthetic Objective

CFU/100 mL Colony Forming Units per 100 millilitres

CU Colour Units (referenced against a platinum cobalt standard)

MAC Maximum Acceptable Concentration (health based)

mg/L Milligrams per litre

NTU Nephelometric Turbidity Units
OG Operational Guideline (treated water)
pH units pH < 7 = acidic, ph > 7 = basic $\mu S/cm$ Microsiemens per centimetre
ASTM ASTM International Test Methods

EPA United States Environmental Protection Agency Test Methods

SM Standard Methods for the Examination of Water and Wastewater, American Public Health Association

General Comments:

The results in this report apply to the samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Samples will be disposed of 30 days after the test report has been issued unless otherwise agreed to in writing. The quality control (QC) data is available upon request