



CERTIFICATE OF ANALYSIS

| | | | |
|---------------------|---|---------------------------------|------------------------|
| REPORTED TO | Grand Forks, City of PO Box 220 GRAND FORKS, BC V0H 1H0 | WORK ORDER | 9012119 |
| ATTENTION | Dean Chapman | RECEIVED / TEMP REPORTED | 2019-01-29 09:10 / 7°C |
| PO NUMBER | | REPORTED | 2019-01-30 17:14 |
| PROJECT | Drinking Water | COC NUMBER | No 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



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.

We've Got Chemistry



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

Ahead of the Curve



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

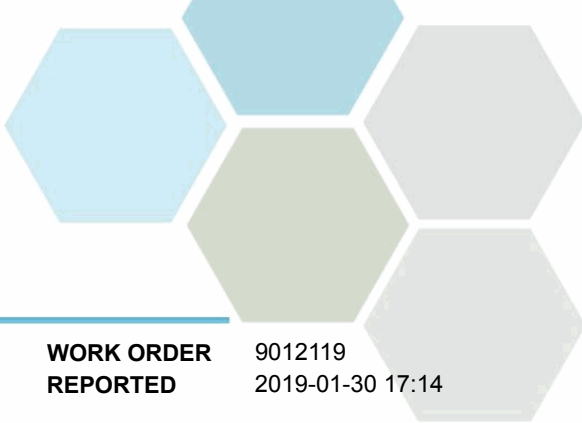
If you have any questions or concerns, please contact me at estclair@caro.ca

Authorized By:

Eilish St.Clair, B.Sc., C.I.T.
Client Service Representative

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TEST RESULTS

REPORTED TO PROJECT Grand Forks, City of
Drinking Water

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| Analyte | Result | Guideline | RL | Units | Analyzed | Qualifier |
|---------|--------|-----------|----|-------|----------|-----------|
|---------|--------|-----------|----|-------|----------|-----------|

East Zone Reservoir (9012119-01) | Matrix: Water | Sampled: 2019-01-28 08:20

Microbiological Parameters

| | | | | | | |
|------------------|-----|---------|---|------------|------------|--|
| Coliforms, Total | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | |
| E. coli | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | |

Valley Heights Booster Station (9012119-02) | Matrix: Water | Sampled: 2019-01-28 08:40

Microbiological Parameters

| | | | | | | |
|------------------|-----|---------|---|------------|------------|--|
| Coliforms, Total | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | |
| E. coli | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | |

Grandby L/S (9012119-03) | Matrix: Water | Sampled: 2019-01-28 08:05

Microbiological Parameters

| | | | | | | |
|------------------|-----|---------|---|------------|------------|-----|
| Coliforms, Total | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | HT3 |
| E. coli | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | HT3 |

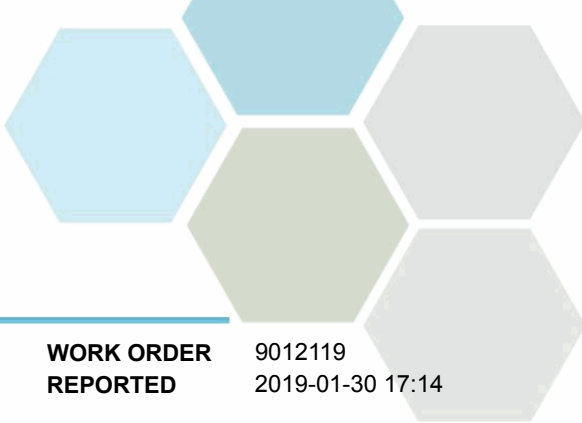
Contact Chamber (9012119-04) | Matrix: Water | Sampled: 2019-01-28 08:55

Microbiological Parameters

| | | | | | | |
|------------------|-----|---------|---|------------|------------|--|
| Coliforms, Total | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | |
| E. coli | < 1 | MAC = 0 | 1 | CFU/100 mL | 2019-01-29 | |

Sample Qualifiers:

HT3 Microbiological analysis was initiated beyond the maximum holding time of 30 hours. Results may not be valid.



APPENDIX 1: SUPPORTING INFORMATION

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| Analysis Description | Method Ref. | Technique | Location |
|---------------------------|-----------------|---------------------------------------|----------|
| Coliforms, Total in Water | SM 9222* (2006) | Membrane Filtration / Chromocult Agar | Kelowna |
| E. coli in Water | SM 9222* (2006) | Membrane Filtration / Chromocult Agar | 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 |
| CFU/100 mL | Colony Forming Units per 100 millilitres |
| MAC | Maximum Acceptable Concentration (health based) |
| 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