

|                     |   |                        |                        |
|---------------------|---|------------------------|------------------------|
| <b>REPORTED TO</b>  | Grand Forks, City of<br>PO Box 220<br>GRAND FORKS, BC V0H 1H0 | <b>TEL</b>             | (250) 442-8266         |
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| <b>ATTENTION</b>    | Dean Chapman  | <b>WORK ORDER</b>      | 7041227                |
| <b>PO NUMBER</b>    |   | <b>RECEIVED / TEMP</b> | 2017-04-19 09:45 / 6°C |
| <b>PROJECT</b>      | Drinking Water  | <b>REPORTED</b>        | 2017-04-20             |
| <b>PROJECT INFO</b> |   | <b>COC NUMBER</b>      | 40837.5581             |

**General Comments:**

CARO Analytical Services employs methods which are conducted according to procedures accepted by appropriate regulatory agencies, and/or are conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts, except where otherwise agreed to by the client.

The results in this report apply to the samples analyzed in accordance with the Chain of Custody or Sample Requisition 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.



Authorized By:

**Kristin McKeown**  
Client Service Representative

*If you have any questions or concerns, please contact me at [kmckeown@caro.ca](mailto:kmckeown@caro.ca)*

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**REPORTED TO PROJECT** Grand Forks, City of  
Drinking Water

**WORK ORDER REPORTED** 7041227  
2017-04-20

| Analysis Description               | Method Reference | Technique   | Location |
|------------------------------------|------------------|---|----------|
| Coliforms, Total (MF-CCA) in Water | APHA 9222*       | Membrane Filtration / Incubation on Chromocult Agar | Kelowna  |
| E. coli (MF-CCA) in Water          | APHA 9222*       | Membrane Filtration / Incubation on Chromocult Agar | Kelowna  |

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

**Method Reference Descriptions:**

APHA Standard Methods for the Examination of Water and Wastewater, 22nd Edition, American Public Health Association/American Water Works Association/Water Environment Federation

**Glossary of Terms:**

MRL Method Reporting Limit  
 < Less than the Reported Detection Limit (RDL) - the RDL may be higher than the MRL due to various factors such as dilutions, limited sample volume, high moisture, or interferences  
 AO Aesthetic objective  
 MAC Maximum acceptable concentration (health based)  
 OG Operational guideline (treated water)  
 CFU/100 mL Colony Forming Units per 100 millilitres

**Standards / Guidelines Referenced in this Report:**

Guidelines for Canadian Drinking Water Quality (Feb 2017)

Website: [http://www.hc-sc.gc.ca/ewh-semt/alt\\_formats/pdf/pubs/water-eau/sum\\_guide-res\\_recom/sum\\_guide-res\\_recom-eng.pdf](http://www.hc-sc.gc.ca/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/sum_guide-res_recom-eng.pdf)

*Note: In some cases, the values displayed on the report represent the lowest guideline and are to be verified by the end user*

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| Analyte | Result / Recovery | Standard / Guideline | MRL / Limits | Units | Prepared | Analyzed | Notes |
|---------|-------------------|----------------------|--------------|-------|----------|----------|-------|
|---------|-------------------|----------------------|--------------|-------|----------|----------|-------|

**Sample ID: East Zone Reservoir (7041227-01) [Water] Sampled: 2017-04-18 12:39**

**Microbiological Parameters**

|                  |     |                     |   |            |     |            |  |
|------------------|-----|---------------------|---|------------|-----|------------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |
| E. coli          | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |

**Sample ID: Valley Heights Booster Station (7041227-02) [Water] Sampled: 2017-04-18 12:42**

**Microbiological Parameters**

|                  |     |                     |   |            |     |            |  |
|------------------|-----|---------------------|---|------------|-----|------------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |
| E. coli          | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |

**Sample ID: City Hall (7041227-03) [Water] Sampled: 2017-04-18 13:10**

**Microbiological Parameters**

|                  |     |                     |   |            |     |            |  |
|------------------|-----|---------------------|---|------------|-----|------------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |
| E. coli          | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |

**Sample ID: Evergreen Cemetary (7041227-04) [Water] Sampled: 2017-04-18 13:24**

**Microbiological Parameters**

|                  |     |                     |   |            |     |            |  |
|------------------|-----|---------------------|---|------------|-----|------------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |
| E. coli          | < 1 | MAC = None Detected | 1 | CFU/100 mL | N/A | 2017-04-19 |  |