

## CERTIFICATE OF ANALYSIS

<b>REPORTED TO</b>	Grand Forks, City of PO Box 220 GRAND FORKS, BC V0H 1H0	<b>WORK ORDER</b>	8090754
<b>ATTENTION</b>	Dean Chapman	<b>RECEIVED / TEMP REPORTED</b>	2018-09-11 09:00 / 14°C 2018-09-12 18:10
<b>PO NUMBER</b>		<b>COC NUMBER</b>	40837.5581
<b>PROJECT</b>	Drinking Water		
<b>PROJECT INFO</b>			

### 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.

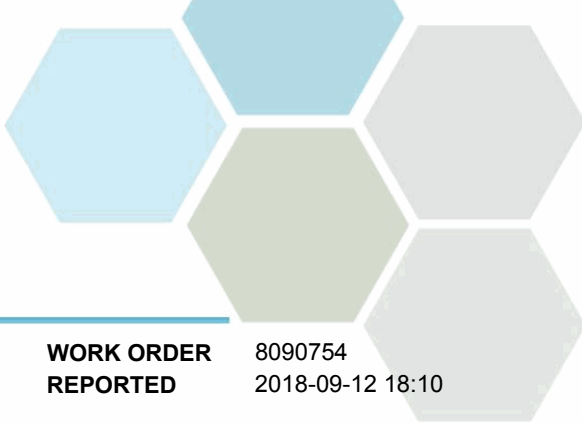
If you have any questions or concerns, please contact me at [estclair@caro.ca](mailto:estclair@caro.ca)

#### Authorized By:

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

1-888-311-8846 | [www.caro.ca](http://www.caro.ca)

#110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7



## TEST RESULTS

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

**WORK ORDER REPORTED** 8090754  
2018-09-12 18:10

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

**East Zone Reservoir (8090754-01) | Matrix: Water | Sampled: 2018-09-10 08:25**

*Microbiological Parameters*

Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	

**VH Booster Station (8090754-02) | Matrix: Water | Sampled: 2018-09-10 08:46**

*Microbiological Parameters*

Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	

**Boundary Hospital (8090754-03) | Matrix: Water | Sampled: 2018-09-10 07:40**

*Microbiological Parameters*

Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	HT3
E. coli	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	HT3

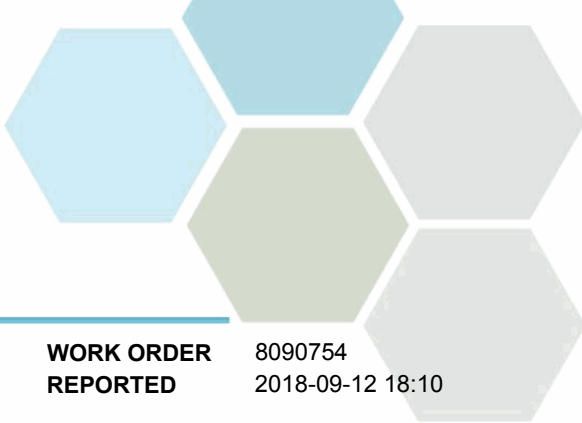
**Barbra Ann (8090754-04) | Matrix: Water | Sampled: 2018-09-10 08:10**

*Microbiological Parameters*

Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2018-09-11	

**Sample Qualifiers:**

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



## APPENDIX 1: SUPPORTING INFORMATION

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

**WORK ORDER REPORTED** 8090754  
2018-09-12 18:10

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