

CERTIFICATE OF ANALYSIS

2016-09-20 09:00 / 6°C

REPORTED TO Grand Forks, City of

> PO Box 220 (250) 442-2434 TEL GRAND FORKS, BC V0H 1H0 FAX (250) 442-8263

ATTENTION Dean Chapman **WORK ORDER** 6091345

PO NUMBER

Drinking Water 2016-09-21 **PROJECT REPORTED PROJECT INFO COC NUMBER** no number

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.

RECEIVED / TEMP

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:

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If you have any questions or concerns, please contact your Account Manager: Kristin McKeown (kmckeown@caro.ca)

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ANALYSIS INFORMATION

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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 (Oct 2014)

Website: http://www.hc-sc.gc.ca/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/sum_guide-res_recom-e

ng.pdf

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



SAMPLE ANALYTICAL DATA

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Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
Sample ID: East Zone Reservoir((6091345-01) [Wate	r] Sampled: 201	6-09-19 08	3:15			
Microbiological Parameters							
Coliforms, Total	< 1	MAC = None Detected	1	CFU/100 mL	N/A	2016-09-20	
E. coli	< 1	MAC = None Detected	1	CFU/100 mL	N/A	2016-09-20	
Sample ID: Valley Heights Booste	r Stn (6091345-02)	[Water] Sample	ed: 2016-09	9-19 08:00			
Microbiological Parameters							
Coliforms, Total	< 1	MAC = None Detected	1	CFU/100 mL	N/A	2016-09-20	
E. coli	< 1	MAC = None	1	CFU/100 mL	N/A	2016-09-20	
L. WII	~ 1	Detected	'	CI 0/100 IIIL	IN/A	2010-09-20	
		Detected		GI O/100 IIIE	IVA	2010-09-20	
		Detected		CI 0/100 IIIL	IVA	2010-09-20	
Sample ID: Well #3A (6091345-03		Detected	50	CFU/100 mL	N/A	2016-09-20	
Sample ID: Well #3A (6091345-03 Microbiological Parameters) [Water] Sampled:	Detected 2016-09-19 08:5 MAC = None	50				
Sample ID: Well #3A (6091345-03) Microbiological Parameters Coliforms, Total) [Water] Sampled: < 1 < 1	Detected 2016-09-19 08:5 MAC = None Detected MAC = None Detected	1	CFU/100 mL CFU/100 mL	N/A	2016-09-20	
Sample ID: Well #3A (6091345-03) Microbiological Parameters Coliforms, Total E. coli Sample ID: Hutton Elementary (6) [Water] Sampled: < 1 < 1	Detected 2016-09-19 08:5 MAC = None Detected MAC = None Detected	1	CFU/100 mL CFU/100 mL	N/A	2016-09-20	
Sample ID: Well #3A (6091345-03 Microbiological Parameters Coliforms, Total E. coli) [Water] Sampled: < 1 < 1	Detected 2016-09-19 08:5 MAC = None Detected MAC = None Detected	50 1 1 -09-19 07:4	CFU/100 mL CFU/100 mL	N/A	2016-09-20	