CERTIFICATE OF ANALYSIS

REPORTED TO	Campbell Scientific Canada Corp. 1030 Sugar Lake Rd Cherryville, BC V0E 2G2		
ATTENTION	Claude Labine	**WORK ORDER**	9052436
PO NUMBER		**RECEIVED / TEMP**	2019-05-27 09:59 / 8°C
PROJECT	Cherryville Water Stewart	**REPORTED**	2019-05-30 17:23
PROJECT INFO		**COC NUMBER**	B78014

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

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	Campbell Scientific Canada Corp.	**WORK ORDER**	9052436
PROJECT	Cherryville Water Stewart	**REPORTED**	2019-05-30 17:23

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
Reitter Creek @ Sugar Lake Rd (9052436-01) | Matrix: Water | Sampled: 2019-05-27 07:53						
Microbiological Parameters						
Coliforms, Total	Overgrown with	MAC = 0	1	CFU/100 mL	2019-05-28	MIC4
Coliforms, Fecal	< 1	N/A	1	CFU/100 mL	2019-05-28	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2019-05-28	
Shuswap River @ Sihlis Rd (9052436-02) | Matrix: Water | Sampled: 2019-05-27 07:57						
Microbiological Parameters						
Coliforms, Total	1800	MAC = 0	1	CFU/100 mL	2019-05-28	
Background Colonies	**> 200**	N/A	200	CFU/100 mL	2019-05-28	
Coliforms, Fecal	**2**	N/A	1	CFU/100 mL	2019-05-28	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2019-05-28	
Shuswap River Post Ferry (9052436-03) | Matrix: Water | Sampled: 2019-05-27 08:15						
Microbiological Parameters						
Coliforms, Total	32000	MAC = 0	1	CFU/100 mL	2019-05-28	MIC15
Coliforms, Fecal	**4**	N/A	1	CFU/100 mL	2019-05-28	
E. coli	4	MAC = 0	1	CFU/100 mL	2019-05-28	

Sample Qualifiers:

MIC15 Due to a high bacterial count, the final result is estimated.

MIC4 Overgrown; Total Coliforms were detected.

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	Campbell Scientific Canada Corp.	**WORK ORDER**	9052436
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Analysis Description	Method Ref.	Technique	Location
Coliforms, Fecal in Water	SM 9222 D (2017)	Membrane Filtration / m-FC Agar	Kelowna
Coliforms, Total in Water	SM 9222 B (2017)	Membrane Filtration / m-Endo Agar	Kelowna
E. coli in Water	SM 9222 G (2017)	Membrane Filtration / Nutrient Agar with MUG	Kelowna

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
>	Greater than the specified Result
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

Guidelines Referenced in this Report:

Guidelines for Canadian Drinking Water Quality (Health Canada, Feb 2017)

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

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

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted **red**. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager:estclair@caro.ca