



Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
190800

- FINAL REPORT -

Prepared For: Town of Fort Smith

Address: P.O. Box 147
Fort Smith, NT
X0E 0P0

Attn: Jesse Foote

Facsimile: (867) 872-3166

Final report has been reviewed and approved by:

Glen Hudy
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Tuesday, September 10, 2019

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Taiga Batch No.:
190800

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **567-1**

Taiga Sample ID: **001**

Client Project: MV2011L3-001

Sample Type: Potable

Received Date: 29-Aug-19

Sampling Date: 28-Aug-19

Sampling Time: 15:00

Location: 567-1

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
pH	7.44		pH units	29-Aug-19	SM4500-H:B	
<u>Major Ions</u>						
Fluoride	< 0.1	0.1	mg/L	29-Aug-19	SM4110:B	

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Taiga Batch No.:
190800

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **567-2**

Taiga Sample ID: **002**

Client Project: MV2011L3-001

Sample Type: Waste Water

Received Date: 29-Aug-19

Sampling Date: 28-Aug-19

Sampling Time: 15:00

Location: 567-2

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	11.1	0.005	mg/L	05-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	64	2	mg/L	29-Aug-19	SM5210:B	
CBOD	59	2	mg/L	29-Aug-19	SM5210:B	
Phosphorous, Total	4.57	0.002	mg/L	06-Sep-19	SM4500-P:D	
<u>Inorganics - Physicals</u>						
pH	7.46		pH units	29-Aug-19	SM4500-H:B	
Solids, Total Suspended	71	3	mg/L	30-Aug-19	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.48	0.01	mg/L	29-Aug-19	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	1400	100	CFU/100mL	29-Aug-19	SM9222:D	
<u>Organics</u>						
Oil and Grease, visible	Non-visible			29-Aug-19	Visual Exam	

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Taiga Batch No.:
190800

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **567-6**

Taiga Sample ID: **003**

Client Project: MV2011L3-001

Sample Type: River Water

Received Date: 29-Aug-19

Sampling Date: 28-Aug-19

Sampling Time: 15:00

Location: 567-6

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.009	0.005	mg/L	05-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	3	2	mg/L	29-Aug-19	SM5210:B	
CBOD	3	2	mg/L	29-Aug-19	SM5210:B	
Phosphorous, Total	0.137	0.002	mg/L	06-Sep-19	SM4500-P:D	
<u>Inorganics - Physicals</u>						
pH	8.17		pH units	29-Aug-19	SM4500-H:B	
Solids, Total Suspended	85	3	mg/L	30-Aug-19	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.21	0.01	mg/L	29-Aug-19	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	31	1	CFU/100mL	29-Aug-19	SM9222:D	
<u>Organics</u>						
Oil and Grease, visible	Non-visible			29-Aug-19	Visual Exam	

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Taiga Batch No.:

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 567-6

Taiga Sample ID: 003

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

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