



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

Taiga Batch No.:
190161

- FINAL REPORT -

Prepared For: Hamlet of Fort McPherson

Address: P.O. Box 57
Fort McPherson, NT
X0E 0J0

Attn: Susan Blake

Facsimile: (867) 952-2725

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.

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **1696-5**

Taiga Sample ID: **001**

Client Project: GO3L3-001

Sample Type: Wastewater

Received Date: 28-Mar-19

Sampling Date: 28-Mar-19

Sampling Time: 8:00

Location: 1696-5

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	4	2	mg/L	29-Mar-19	SM5210:B	
CBOD	< 2	2	mg/L	29-Mar-19	SM5210:B	
<u>Inorganics - Physicals</u>						
pH	6.83		pH units	29-Mar-19	SM4500-H:B	
Solids, Total Suspended	< 3	3	mg/L	04-Apr-19	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.28	0.01	mg/L	29-Mar-19	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	< 1	1	CFU/100mL	28-Mar-19	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2.0	mg/L	08-Apr-19	EPA1664A	
<u>Subcontracted Nutrients</u>						
Ammonia as Nitrogen	3.480	0.005	mg/L	11-Apr-19	SM4500 NH3	
Nitrogen, Total	4.97	0.03	mg/L	09-Apr-18	APHA4500-P(I)	
<u>Subcontracted Organics</u>						

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Phenols, Total < 0.0010 0.001 mg/L 08-Apr-19 AB ENV.06537

Trace Metals, Total

Aluminum	169	5	µg/L	04-Apr-19	EPA200.8
Antimony	0.2	0.1	µg/L	04-Apr-19	EPA200.8
Arsenic	3.6	0.2	µg/L	04-Apr-19	EPA200.8
Barium	76.7	0.1	µg/L	04-Apr-19	EPA200.8
Beryllium	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Bismuth	< 0.2	0.2	µg/L	04-Apr-19	EPA200.8
Boron	75.5	0.9	µg/L	04-Apr-19	EPA200.8
Cadmium	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Cesium	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Chromium	0.5	0.1	µg/L	04-Apr-19	EPA200.8
Cobalt	1.3	0.1	µg/L	04-Apr-19	EPA200.8
Copper	2.3	0.2	µg/L	04-Apr-19	EPA200.8
Iron	5200	5	µg/L	04-Apr-19	EPA200.8
Lead	0.2	0.1	µg/L	04-Apr-19	EPA200.8
Lithium	4.9	0.2	µg/L	04-Apr-19	EPA200.8
Manganese	257	0.1	µg/L	04-Apr-19	EPA200.8
Mercury	< 0.01	0.01	µg/L	04-Apr-19	EPA200.8
Molybdenum	0.5	0.1	µg/L	04-Apr-19	EPA200.8
Nickel	4.2	0.1	µg/L	04-Apr-19	EPA200.8
Rubidium	2.3	0.1	µg/L	04-Apr-19	EPA200.8
Selenium	< 0.5	0.5	µg/L	04-Apr-19	EPA200.8
Silver	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Strontium	64.9	0.1	µg/L	04-Apr-19	EPA200.8

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Thallium	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Tin	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Titanium	1.4	0.1	µg/L	04-Apr-19	EPA200.8
Uranium	< 0.1	0.1	µg/L	04-Apr-19	EPA200.8
Vanadium	1.1	0.1	µg/L	04-Apr-19	EPA200.8
Zinc	6.2	5	µg/L	04-Apr-19	EPA200.8

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*** 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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