



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:  
212184

### - FINAL REPORT -

**Prepared For:** Community Government of Behchoko

**Address:** P.O. Box 68  
Behchoko, NT  
X0E 0Y0

**Attn:** Peter Zoe

**Facsimile:** (867) 392-6967

**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:** November-10-21

**Print Date:** November-10-21

Page 1 of 6



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**Taiga Batch No.:**  
212184

**- CERTIFICATE OF ANALYSIS -**

**Client Sample ID:** R3

**Taiga Sample ID:** 001

**Client Project:** W2014L3-0002  
**Sample Type:** Sewage  
**Received Date:** 01-Nov-21  
**Sampling Date:** 01-Nov-21  
**Sampling Time:**  
**Location:**  
**Report Status:** Final

<b>Test Parameter</b>	<b>Result</b>	<b>Detection Limit</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Analytical Method *</b>	<b>Qualifer</b>
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.034	0.005	mg/L	07-Nov-21	TEL068	
Biochemical Oxygen Demand	11	2	mg/L	02-Nov-21	TEL019	
CBOD	10	2	mg/L	02-Nov-21	TEL019	
Nitrogen, Dissolved	1.64	0.06	mg/L	05-Nov-21	TEL066	
Nitrogen, Total	2.11	0.06	mg/L	05-Nov-21	TEL066	
Ortho-Phosphate as Phosphorus	0.092	0.002	mg/L	05-Nov-21	TEL069	
Phosphorous, Dissolved	0.130	0.002	mg/L	05-Nov-21	TEL069	
Phosphorous, Total	0.373	0.002	mg/L	05-Nov-21	TEL069	
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	96.9	0.4	mg/L	01-Nov-21	TEL060	
Conductivity, Specific (@25C)	278	0.4	µS/cm	01-Nov-21	TEL059	
pH	7.32		pH units	01-Nov-21	TEL058	
Solids, Total Dissolved	206	10	mg/L	04-Nov-21	TEL009	
Solids, Total Suspended	36	3	mg/L	04-Nov-21	TEL008	

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Taiga Sample ID: 001

Major Ions

Nitrate+Nitrite as Nitrogen	0.02	0.01	mg/L	03-Nov-21	TEL055
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Microbiology

Coliforms, Fecal	2	1	CFU/100mL	01-Nov-21	TEL017
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Coliforms, Total	1990	1	MPN/100ml	01-Nov-21	TEL053
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Escherichia coli	1.0	1	MPN/100ml	01-Nov-21	TEL053
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Organics

Hexane Extractable Material	< 2.0	2	mg/L	09-Nov-21	TEL072
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Trace Metals, Total

Cadmium	< 0.1	0.1	µg/L	04-Nov-21	TEL035
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Chromium	0.5	0.1	µg/L	04-Nov-21	TEL035
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Cobalt	0.6	0.1	µg/L	04-Nov-21	TEL035
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Copper	0.6	0.2	µg/L	04-Nov-21	TEL035
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Iron	1270	5	µg/L	04-Nov-21	TEL035
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Lead	0.1	0.1	µg/L	04-Nov-21	TEL035
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Manganese	232	0.1	µg/L	04-Nov-21	TEL035
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Nickel	1.3	0.1	µg/L	04-Nov-21	TEL035
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Zinc	76.3	5	µg/L	04-Nov-21	TEL035
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Print Date: November-10-21

Page 3 of 6



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**Taiga Batch No.:**  
212184

**- CERTIFICATE OF ANALYSIS -**

**Client Sample ID: R4**

**Taiga Sample ID: 002**

**Client Project:** W2014L3-0002  
**Sample Type:** Sewage  
**Received Date:** 01-Nov-21  
**Sampling Date:** 01-Nov-21  
**Sampling Time:**  
**Location:**  
**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.029	0.005	mg/L	07-Nov-21	TEL068	
Biochemical Oxygen Demand	2	2	mg/L	02-Nov-21	TEL019	
CBOD	< 2	2	mg/L	02-Nov-21	TEL019	
Nitrogen, Dissolved	1.00	0.06	mg/L	05-Nov-21	TEL066	
Nitrogen, Total	1.10	0.06	mg/L	05-Nov-21	TEL066	
Ortho-Phosphate as Phosphorus	< 0.002	0.002	mg/L	05-Nov-21	TEL069	
Phosphorous, Dissolved	0.015	0.002	mg/L	05-Nov-21	TEL069	
Phosphorous, Total	0.018	0.002	mg/L	05-Nov-21	TEL069	
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	51.6	0.4	mg/L	01-Nov-21	TEL060	
Conductivity, Specific (@25C)	142	0.4	µS/cm	01-Nov-21	TEL059	
pH	7.02		pH units	01-Nov-21	TEL058	
Solids, Total Dissolved	110	10	mg/L	04-Nov-21	TEL009	
Solids, Total Suspended	8	3	mg/L	04-Nov-21	TEL008	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.03	0.01	mg/L	03-Nov-21	TEL055	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: R4

Taiga Sample ID: 002

Microbiology

Coliforms, Fecal	1	1	CFU/100mL	01-Nov-21	TEL017
Coliforms, Total	172	1	MPN/100ml	01-Nov-21	TEL053
Escherichia coli	1.0	1	MPN/100ml	01-Nov-21	TEL053

Organics

Hexane Extractable Material	< 2.0	2	mg/L	09-Nov-21	TEL072
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Trace Metals, Total

Cadmium	< 0.1	0.1	µg/L	04-Nov-21	TEL035
Chromium	0.3	0.1	µg/L	04-Nov-21	TEL035
Cobalt	0.2	0.1	µg/L	04-Nov-21	TEL035
Copper	0.4	0.2	µg/L	04-Nov-21	TEL035
Iron	1090	5	µg/L	04-Nov-21	TEL035
Lead	< 0.1	0.1	µg/L	04-Nov-21	TEL035
Manganese	37.4	0.1	µg/L	04-Nov-21	TEL035
Nickel	0.9	0.1	µg/L	04-Nov-21	TEL035
Zinc	< 5.0	5	µg/L	04-Nov-21	TEL035

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Page 5 of 6



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### - CERTIFICATE OF ANALYSIS -

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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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Print Date: November-10-21

Page 6 of 6