



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

**Taiga Batch No.:**  
**190633**

**- FINAL REPORT -**

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**Prepared For:** Indigenous and Northern Affairs Canada

**Address:** P.O. Box 1500  
4923 - 52nd Street  
Yellowknife, NT  
X1A 2R3

**Attn:** Tim Morton

**Facsimile:**

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**Final report has been reviewed and approved by:**

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**Glen Hudy**  
**Quality Assurance Officer**

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**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:** Wednesday, August 28, 2019

**Print Date:** *Wednesday, August 28, 2019*

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Taiga Batch No.:  
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## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP 43-1**

Taiga Sample ID: **001**

Client Project: Giant Mine Samples

Sample Type: Water

Received Date: 01-Aug-19

Sampling Date: 01-Aug-19

Sampling Time: 13:00

Location: SNP 43-1

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.010	0.005	mg/L	08-Aug-19	SM4500-NH3:G	
<b><u>Inorganics - Physicals</u></b>						
Solids, Total Suspended	26	3	mg/L	07-Aug-19	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.99	0.01	mg/L	02-Aug-19	SM4110:B	
<b><u>Organics</u></b>						
Benzene	< 0.002	0.002	mg/L	07-Aug-19	EPA8260B	
Ethylbenzene	< 0.002	0.002	mg/L	07-Aug-19	EPA8260B	
Toluene	< 0.002	0.002	mg/L	07-Aug-19	EPA8260B	
Xylenes	< 0.002	0.002	mg/L	07-Aug-19	EPA8260B	
<b><u>Subcontracted Organics</u></b>						
F2: C10-C16	< 0.30	0.3	mg/L	23-Aug-19	EPA3510	
F3: C16-C34	< 0.30	0.3	mg/L	23-Aug-19	EPA3510	
F4: C34-C50	< 0.30	0.3	mg/L	23-Aug-19	EPA3510	
<b><u>Trace Metals, Total</u></b>						

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Aluminum	6.5	0.6	µg/L	13-Aug-19	EPA200.8
Antimony	198	0.1	µg/L	13-Aug-19	EPA200.8
Arsenic	192	0.2	µg/L	13-Aug-19	EPA200.8
Barium	16.0	0.1	µg/L	13-Aug-19	EPA200.8
Beryllium	< 0.1	0.1	µg/L	13-Aug-19	EPA200.8
Bismuth	< 0.2	0.2	µg/L	13-Aug-19	EPA200.8
Boron	309	0.9	µg/L	13-Aug-19	EPA200.8
Cadmium	< 0.04	0.04	µg/L	13-Aug-19	EPA200.8
Cesium	0.3	0.1	µg/L	13-Aug-19	EPA200.8
Chromium	0.3	0.1	µg/L	13-Aug-19	EPA200.8
Cobalt	5.0	0.1	µg/L	13-Aug-19	EPA200.8
Copper	6.8	0.2	µg/L	13-Aug-19	EPA200.8
Iron	62	5	ug/L	13-Aug-19	EPA200.8
Lead	< 0.1	0.1	µg/L	13-Aug-19	EPA200.8
Lithium	27.3	0.2	µg/L	13-Aug-19	EPA200.8
Manganese	7.9	0.1	µg/L	13-Aug-19	EPA200.8
Mercury	< 0.01	0.01	µg/L	13-Aug-19	EPA200.8
Molybdenum	14.8	0.1	µg/L	13-Aug-19	EPA200.8
Nickel	14.6	0.1	µg/L	13-Aug-19	EPA200.8
Rubidium	9.1	0.1	µg/L	13-Aug-19	EPA200.8
Selenium	0.5	0.3	µg/L	13-Aug-19	EPA200.8
Silver	< 0.1	0.1	µg/L	13-Aug-19	EPA200.8
Strontium	3510	0.1	µg/L	13-Aug-19	EPA200.8
Thallium	< 0.1	0.1	µg/L	13-Aug-19	EPA200.8
Tin	< 0.1	0.1	µg/L	13-Aug-19	EPA200.8

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**- CERTIFICATE OF ANALYSIS -**

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**Client Sample ID: SNP 43-1**

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Titanium	0.2	0.1	µg/L	13-Aug-19	EPA200.8
Uranium	3.1	0.1	µg/L	13-Aug-19	EPA200.8
Vanadium	0.7	0.1	µg/L	13-Aug-19	EPA200.8
Zinc	1.9	0.4	µg/L	13-Aug-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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