



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

Taiga Batch No.:
180292

- FINAL REPORT -

Prepared For: Sambaa Ke Dene Band

Address: P.O. Box 10
Trout Lake, NT
X0E 1Z0

Attn: Jessica Jumbo

Facsimile: (867) 206-2828

Final report has been reviewed and approved by:

Judy Mah
Client Service 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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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Water

Received Date: 24-May-18

Sampling Date: 23-May-18

Sampling Time: 11:00

Location:

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|---|---------|-----------------|-----------|---------------|---------------------|-----------|
| <u>Inorganics - Physicals</u> | | | | | | |
| Alkalinity, Total (as CaCO ₃) | 67.9 | 0.4 | mg/L | 24-May-18 | SM2320:B | |
| Conductivity, Specific (@25C) | 159 | 0.4 | µS/cm | 24-May-18 | SM2510:B | |
| pH | 8.33 | | pH units | 24-May-18 | SM4500-H:B | |
| Solids, Total Suspended | < 3 | 3 | mg/L | 29-May-18 | SM2540:D | |
| Turbidity | 0.63 | 0.05 | NTU | 24-May-18 | SM2130:B | |
| <u>Microbiology</u> | | | | | | |
| Coliforms, Fecal | < 1 | 1 | CFU/100mL | 24-May-18 | SM9222:D | |
| Coliforms, Total | 3.1 | 1.0 | MPN/100ml | 24-May-18 | SM9223:B | |
| Enterococci | < 1.0 | 1.0 | MPN/100ml | 24-May-18 | SM9223:B | |
| Escherichia coli | < 1.0 | 1.0 | MPN/100ml | 24-May-18 | SM9223:B | |
| <u>Organics</u> | | | | | | |
| Benzene | < 0.002 | 0.002 | mg/L | 25-May-18 | EPA8260B | |
| Ethylbenzene | < 0.002 | 0.002 | mg/L | 25-May-18 | EPA8260B | |
| Toluene | < 0.002 | 0.002 | mg/L | 25-May-18 | EPA8260B | |

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Xylenes < 0.002 0.002 mg/L 25-May-18 EPA8260B

Subcontracted Inorganics

Calcium 24.0 0.05 mg/L 02-Jun-18 EPA200.2

Chloride < 0.50 0.5 mg/L 31-May-18 EPA300.1

Fluoride 0.041 0.02 mg/L 31-May-18 EPA300.1

Hardness 78.0 0.5 mg/L 02-Jun-18 EPA200.2

Magnesium 4.37 0.005 mg/L 02-Jun-18 EPA200.2

Nitrate as Nitrogen < 0.0050 0.005 mg/L 31-May-18 EPA300.1

Nitrite as N < 0.0010 0.001 mg/L 31-May-18 EPA300.1

NO₂+NO₃ - N < 0.0051 0.0051 mg/L 31-May-18 EPA300.1

Potassium 0.515 0.05 mg/L 02-Jun-18 EPA200.2

Sodium 2.12 0.05 mg/L 02-Jun-18 EPA200.2

Sulphate 8.35 0.3 mg/L 31-May-18 EPA300.1

Trace Metals, Total

Aluminum 47.6 0.6 µg/L 29-May-18 EPA200.8

Antimony < 0.1 0.1 µg/L 29-May-18 EPA200.8

Arsenic 0.3 0.2 µg/L 29-May-18 EPA200.8

Barium 37.2 0.1 µg/L 29-May-18 EPA200.8

Beryllium < 0.1 0.1 µg/L 29-May-18 EPA200.8

Cadmium < 0.04 0.04 µg/L 29-May-18 EPA200.8

Cesium < 0.1 0.1 µg/L 29-May-18 EPA200.8

Chromium < 0.1 0.1 µg/L 29-May-18 EPA200.8

Cobalt < 0.1 0.1 µg/L 29-May-18 EPA200.8

Copper 3.5 0.2 µg/L 29-May-18 EPA200.8

Iron 16 5 ug/L 29-May-18 EPA200.8

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| | | | | | |
|------------|--------|------|------|-----------|----------|
| Lead | < 0.1 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Lithium | 2.0 | 0.2 | µg/L | 29-May-18 | EPA200.8 |
| Manganese | 1.0 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Mercury | < 0.01 | 0.01 | µg/L | 29-May-18 | EPA200.8 |
| Molybdenum | 0.3 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Nickel | 0.4 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Rubidium | 0.5 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Selenium | < 0.3 | 0.3 | µg/L | 29-May-18 | EPA200.8 |
| Silver | < 0.1 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Strontium | 47.5 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Thallium | < 0.1 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Titanium | < 0.1 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Uranium | 0.1 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Vanadium | 0.1 | 0.1 | µg/L | 29-May-18 | EPA200.8 |
| Zinc | 0.7 | 0.4 | µg/L | 29-May-18 | 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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