



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

Taiga Batch No.:
211208

- FINAL REPORT -

Prepared For: GNWT - Environment and Natural Resources

Address: P.O. Box 2749
Inuvik, NT
X0E 0T0

Attn: Lloyd Gruben

Facsimile: (867) 678-6659

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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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **0714-1**

Taiga Sample ID: **001**

Client Project: Tuk

Sample Type: Freshwater

Received Date: 21-Jul-21

Sampling Date: 19-Jul-21

Sampling Time:

Location: Tuk Water Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
Colour, True	< 5	5	TCU	21-Jul-21	TEL051	
pH	8.57		pH units	21-Jul-21	TEL058	
Solids, Total Suspended	10	3	mg/L	22-Jul-21	TEL008	
Turbidity	0.56	0.05	NTU	21-Jul-21	TEL006	
<u>Major Ions</u>						
Hardness	71.6	0.7	mg/L	22-Jul-21	TEL055	
<u>Trace Metals, Total</u>						
Aluminum	15.0	0.6	µg/L	28-Jul-21	TEL035	
Antimony	< 0.1	0.1	µg/L	28-Jul-21	TEL035	
Arsenic	0.4	0.2	µg/L	28-Jul-21	TEL035	
Barium	95.9	0.1	µg/L	28-Jul-21	TEL035	
Beryllium	< 0.1	0.1	µg/L	28-Jul-21	TEL035	
Cadmium	< 0.04	0.04	µg/L	28-Jul-21	TEL035	
Cesium	< 0.1	0.1	µg/L	28-Jul-21	TEL035	

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Chromium	< 0.1	0.1	µg/L	28-Jul-21	TEL035
Cobalt	< 0.1	0.1	µg/L	28-Jul-21	TEL035
Copper	1.7	0.2	µg/L	28-Jul-21	TEL035
Iron	35	5	ug/L	28-Jul-21	TEL035
Lead	0.2	0.1	µg/L	28-Jul-21	TEL035
Lithium	3.0	0.2	µg/L	28-Jul-21	TEL035
Manganese	5.7	0.1	µg/L	28-Jul-21	TEL035
Molybdenum	0.5	0.1	µg/L	28-Jul-21	TEL035
Nickel	0.6	0.1	µg/L	28-Jul-21	TEL035
Rubidium	0.4	0.1	µg/L	28-Jul-21	TEL035
Selenium	< 0.3	0.3	µg/L	28-Jul-21	TEL035
Silver	< 0.1	0.1	µg/L	28-Jul-21	TEL035
Strontium	60.6	0.1	µg/L	28-Jul-21	TEL035
Thallium	< 0.1	0.1	µg/L	28-Jul-21	TEL035
Titanium	0.2	0.1	µg/L	28-Jul-21	TEL035
Uranium	< 0.1	0.1	µg/L	28-Jul-21	TEL035
Vanadium	< 0.1	0.1	µg/L	28-Jul-21	TEL035
Zinc	10.5	0.4	µg/L	28-Jul-21	TEL035

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **N5L3-1714-2**

Taiga Sample ID: **002**

Client Project:

Sample Type: Water
Received Date: 21-Jul-21
Sampling Date: 19-Jul-21
Sampling Time: 15:40

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	< 2	2	mg/L	21-Jul-21	TEL019	
<u>Inorganics - Physicals</u>						
pH	9.16		pH units	21-Jul-21	TEL058	
Solids, Total Suspended	66	3	mg/L	22-Jul-21	TEL008	
<u>Microbiology</u>						
Coliforms, Fecal	520	10	CFU/100mL	21-Jul-21	TEL017	
<u>Organics</u>						
Oil and Grease, visible	Non-visible			21-Jul-21	Visual Exam	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **0714-3**

Taiga Sample ID: **003**

Client Project:

Sample Type: Landfill

Received Date: 21-Jul-21

Sampling Date: 19-Jul-21

Sampling Time: 15:02

Location: Tuk SNP

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	< 2	2	mg/L	21-Jul-21	TEL019	
<u>Inorganics - Physicals</u>						
pH	9.00		pH units	21-Jul-21	TEL058	
Solids, Total Suspended	14	3	mg/L	22-Jul-21	TEL008	
<u>Organics</u>						
Oil and Grease, visible	Non-visible			21-Jul-21	Visual Exam	
<u>Subcontracted Organics</u>						
Polychlorinated Biphenyls	< 0.04000	0.04	ug/L	28-Jul-21	EPA3510	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-3

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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