



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

Taiga Batch No.:
200416

- FINAL REPORT -

Prepared For: Community Government of Behchoko

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

Attn: Galvin Simpson

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.

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Taiga Batch No.:
200416

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Edzo Sludge**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Sludge

Received Date: 14-Jul-20

Sampling Date: 14-Jul-20

Sampling Time: 9:45

Location: Edzo + Rae WTP

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.024	0.005	mg/L	21-Jul-20	SM4500-NH3:G	
Biochemical Oxygen Demand	3	2	mg/L	15-Jul-20	SM5210:B	
CBOD	8	2	mg/L	15-Jul-20	SM5210:B	
Chemical Oxygen Demand	416	20	mg/L	16-Jul-20	SM5220:D	210
Organic Carbon, Total	67.6	0.5	mg/L	16-Jul-20	SM5310:B	
Phosphorous, Total	2.64	0.002	mg/L	15-Jul-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	244	0.4	µS/cm	14-Jul-20	SM2510:B	
pH	7.41		pH units	14-Jul-20	SM4500-H:B	
Solids, Total Suspended	2830	3	mg/L	15-Jul-20	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal	< 10	10	CFU/100mL	14-Jul-20	SM9222:D	
<u>Subcontracted Inorganics</u>						
Calcium	30.6	0.05	mg/L	18-Jul-20	EPA200.2	
Chloride	2.37	0.5	mg/L	17-Jul-20	EPA300.1	

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Fluoride	0.167	0.02	mg/L	17-Jul-20	EPA300.1
Magnesium	10.1	0.005	mg/L	18-Jul-20	EPA200.2
Nitrate as Nitrogen	0.0310	0.020	mg/L	17-Jul-20	EPA300.1
Nitrite as N	< 0.0100	0.010	mg/L	17-Jul-20	EPA300.1
NO ₂ +NO ₃ - N	0.0310	0.022	mg/L	17-Jul-20	EPA300.1
Potassium	1.43	0.05	mg/L	18-Jul-20	EPA200.2
Sodium	2.96	0.05	mg/L	18-Jul-20	EPA200.2
Sulphate	39.4	0.3	mg/L	17-Jul-20	EPA300.1

Trace Metals, Total

Aluminum	339000	125	µg/L	21-Jul-20	EPA200.8	210
Antimony	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Arsenic	46.3	5	µg/L	21-Jul-20	EPA200.8	210
Barium	741	2.5	µg/L	21-Jul-20	EPA200.8	210
Beryllium	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Bismuth	< 5.0	5	µg/L	21-Jul-20	EPA200.8	210
Boron	45.0	22.5	µg/L	21-Jul-20	EPA200.8	210
Cadmium	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Cesium	5.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Chromium	69.3	2.5	µg/L	21-Jul-20	EPA200.8	210
Cobalt	26.2	2.5	µg/L	21-Jul-20	EPA200.8	210
Copper	101	5	µg/L	21-Jul-20	EPA200.8	210
Iron	46300	125	µg/L	21-Jul-20	EPA200.8	210
Lead	21.8	2.5	µg/L	21-Jul-20	EPA200.8	210
Lithium	99.6	5	µg/L	21-Jul-20	EPA200.8	210
Manganese	8970	2.5	µg/L	21-Jul-20	EPA200.8	210

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Mercury	< 0.25	0.25	µg/L	21-Jul-20	EPA200.8	210
Molybdenum	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Nickel	64.1	2.5	µg/L	21-Jul-20	EPA200.8	210
Rubidium	96.3	2.5	µg/L	21-Jul-20	EPA200.8	210
Selenium	< 12.5	12.5	µg/L	21-Jul-20	EPA200.8	210
Silver	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Strontium	459	2.5	µg/L	21-Jul-20	EPA200.8	210
Thallium	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Tin	< 2.5	2.5	µg/L	21-Jul-20	EPA200.8	210
Titanium	1430	2.5	µg/L	21-Jul-20	EPA200.8	210
Uranium	14.3	2.5	µg/L	21-Jul-20	EPA200.8	210
Vanadium	74.2	2.5	µg/L	21-Jul-20	EPA200.8	210
Zinc	132	125	µg/L	21-Jul-20	EPA200.8	210

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Taiga Batch No.:

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **R1**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Potable

Received Date: 14-Jul-20

Sampling Date: 14-Jul-20

Sampling Time: 9:45

Location: Edzo + Rae WTP

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Subcontracted Organics</u>						
Bromodichloromethane	0.0100	0.001	mg/L	19-Jul-20	SW-846	
Bromoform	< 0.0050	0.005	mg/L	19-Jul-20	SW-846	
Chloroform	0.0614	0.001	mg/L	19-Jul-20	SW-846	
Dibromochloromethane	0.0012	0.001	mg/L	19-Jul-20	SW-846	
Trihalomethanes, Total	0.0726	0.005	mg/L	19-Jul-20	SW-846	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **E1**

Taiga Sample ID: **003**

Client Project: W2014L3-0002

Sample Type: Potable

Received Date: 14-Jul-20

Sampling Date: 14-Jul-20

Sampling Time: 9:45

Location: Edzo + Rae WTP

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Subcontracted Organics</u>						
Bromodichloromethane	0.0153	0.001	mg/L	19-Jul-20	SW-846	
Bromoform	< 0.0050	0.005	mg/L	19-Jul-20	SW-846	
Chloroform	0.1200	0.001	mg/L	19-Jul-20	SW-846	
Dibromochloromethane	0.0018	0.001	mg/L	19-Jul-20	SW-846	
Trihalomethanes, Total	0.1370	0.005	mg/L	19-Jul-20	SW-846	

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Taiga Sample ID: **003**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

210 *Detection limit adjusted for required dilution.*

*** 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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