



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

Taiga Batch No.:
210717

- 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: Monday, June 07, 2021

Print Date: *Monday, June 07, 2021*

Page 1 of 8



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Taiga Batch No.:
210717

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **E2**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Water

Received Date: 31-May-21

Sampling Date: 31-May-21

Sampling Time:

Location: Edzo SNP Sites

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	17.7	0.005	mg/L	02-Jun-21	SM4500-NH3:G	
Biochemical Oxygen Demand	85	2	mg/L	02-Jun-21	SM5210:B	
CBOD	81	2	mg/L	02-Jun-21	SM5210:B	
Nitrogen, Dissolved	19.4	0.06	mg/L	03-Jun-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	25.0	0.06	mg/L	03-Jun-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	0.097	0.002	mg/L	03-Jun-21	SM4500-P:D	
Phosphorous, Dissolved	0.122	0.002	mg/L	03-Jun-21	SM4500-P:D	
Phosphorous, Total	2.48	0.002	mg/L	03-Jun-21	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	525	0.4	µS/cm	31-May-21	SM2510:B	
pH	7.01		pH units	31-May-21	SM4500-H:B	
Solids, Total Dissolved	256	10	mg/L	02-Jun-21	SM2540:C	
Solids, Total Suspended	200	3	mg/L	02-Jun-21	SM2540:D	
<u>Major Ions</u>						

ReportDate: Monday, June 07, 2021

Print Date: **Monday, June 07, 2021**

Page 2 of 8



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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **E2**

Taiga Sample ID: **001**

Nitrate+Nitrite as Nitrogen	0.22	0.01	mg/L	31-May-21	SM4110:B
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Microbiology

Coliforms, Fecal	8000	1000	CFU/100mL	31-May-21	SM9222:D
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Coliforms, Total	101000	100	MPN/100ml	31-May-21	SM9223:B
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Escherichia coli	57500	100	MPN/100ml	31-May-21	SM9223:B
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Print Date: *Monday, June 07, 2021*

Page 3 of 8



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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **E3**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Water

Received Date: 31-May-21

Sampling Date: 31-May-21

Sampling Time:

Location: Edzo SNP Sites

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	17.7	0.005	mg/L	02-Jun-21	SM4500-NH3:G	
Biochemical Oxygen Demand	31	2	mg/L	02-Jun-21	SM5210:B	
CBOD	32	2	mg/L	02-Jun-21	SM5210:B	
Nitrogen, Dissolved	23.0	0.06	mg/L	03-Jun-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	28.6	0.06	mg/L	03-Jun-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	0.230	0.002	mg/L	03-Jun-21	SM4500-P:D	
Phosphorous, Dissolved	0.273	0.002	mg/L	03-Jun-21	SM4500-P:D	
Phosphorous, Total	1.52	0.002	mg/L	03-Jun-21	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	550	0.4	µS/cm	31-May-21	SM2510:B	
pH	7.46		pH units	31-May-21	SM4500-H:B	
Solids, Total Dissolved	282	10	mg/L	02-Jun-21	SM2540:C	
Solids, Total Suspended	46	3	mg/L	02-Jun-21	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.39	0.01	mg/L	31-May-21	SM4110:B	
<u>Microbiology</u>						

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **E3**

Taiga Sample ID: **002**

Coliforms, Fecal	58000	1000	CFU/100mL	31-May-21	SM9222:D
Coliforms, Total	101000	100	MPN/100ml	31-May-21	SM9223:B
Escherichia coli	96100	100	MPN/100ml	31-May-21	SM9223:B

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Print Date: *Monday, June 07, 2021*

Page 5 of 8



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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **E4**

Taiga Sample ID: **003**

Client Project: W2014L3-0002

Sample Type: Water

Received Date: 31-May-21

Sampling Date: 31-May-21

Sampling Time:

Location: Edzo SNP Sites

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	2.46	0.005	mg/L	02-Jun-21	SM4500-NH3:G	
Biochemical Oxygen Demand	11	2	mg/L	02-Jun-21	SM5210:B	
CBOD	7	2	mg/L	02-Jun-21	SM5210:B	
Nitrogen, Dissolved	4.45	0.06	mg/L	03-Jun-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	5.16	0.06	mg/L	03-Jun-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	0.288	0.002	mg/L	03-Jun-21	SM4500-P:D	
Phosphorous, Dissolved	0.321	0.002	mg/L	03-Jun-21	SM4500-P:D	
Phosphorous, Total	0.463	0.002	mg/L	03-Jun-21	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	233	0.4	µS/cm	31-May-21	SM2510:B	
pH	6.88		pH units	31-May-21	SM4500-H:B	
Solids, Total Dissolved	174	10	mg/L	02-Jun-21	SM2540:C	
Solids, Total Suspended	48	3	mg/L	02-Jun-21	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.05	0.01	mg/L	31-May-21	SM4110:B	
<u>Microbiology</u>						

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Client Sample ID: E4

Taiga Sample ID: 003

Coliforms, Fecal	230	10	CFU/100mL	31-May-21	SM9222:D
Coliforms, Total	5200	1000	MPN/100ml	31-May-21	SM9223:B
Escherichia coli	3000	1000	MPN/100ml	31-May-21	SM9223:B

ReportDate: Monday, June 07, 2021

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Page 7 of 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

ReportDate: Monday, June 07, 2021

Print Date: *Monday, June 07, 2021*

Page 8 of 8