



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

Taiga Batch No.:
200742

- 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:

A handwritten signature in black ink, appearing to read "Glen Hudy".

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: Friday, September 25, 2020

Print Date: *Monday, September 28, 2020*

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Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
200742

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP R6**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	19	2	mg/L	11-Sep-20	SM5210:B	
Phosphorous, Total	0.197	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	1310	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	8.01		pH units	11-Sep-20	SM4500-H:B	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.17	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	< 1	1	CFU/100mL	11-Sep-20	SM9222:D	
<u>Organics</u>						
Benzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Ethylbenzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Hexane Extractable Material	< 2.0	2.0	mg/L	14-Sep-20	EPA1664A	
Toluene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	

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Xylenes	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B
<u>Subcontracted Inorganics</u>					
Calcium	63.3	0.05	mg/L	21-Sep-20	EPA200.2
Magnesium	42.3	0.005	mg/L	21-Sep-20	EPA200.2
Potassium	4.72	0.05	mg/L	21-Sep-20	EPA200.2
Sodium	145	0.05	mg/L	21-Sep-20	EPA200.2
<u>Subcontracted Organics</u>					
Phenols, Total	< 0.0010	0.001	mg/L	17-Sep-20	AB ENV.06537
<u>Trace Metals, Total</u>					
Aluminum	206	5	µg/L	23-Sep-20	EPA200.8
Antimony	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Arsenic	2.5	0.2	µg/L	23-Sep-20	EPA200.8
Barium	78.0	0.1	µg/L	23-Sep-20	EPA200.8
Beryllium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Bismuth	< 0.2	0.2	µg/L	23-Sep-20	EPA200.8
Boron	39.4	0.9	µg/L	23-Sep-20	EPA200.8
Cadmium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Cesium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Chromium	0.4	0.1	µg/L	23-Sep-20	EPA200.8
Cobalt	0.4	0.1	µg/L	23-Sep-20	EPA200.8
Copper	1.2	0.2	µg/L	23-Sep-20	EPA200.8
Iron	1100	5	µg/L	23-Sep-20	EPA200.8
Lead	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Lithium	10.4	0.2	µg/L	23-Sep-20	EPA200.8
Manganese	211	0.1	µg/L	23-Sep-20	EPA200.8

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Mercury	< 0.01	0.01	µg/L	23-Sep-20	EPA200.8
Molybdenum	0.5	0.1	µg/L	23-Sep-20	EPA200.8
Nickel	1.5	0.1	µg/L	23-Sep-20	EPA200.8
Rubidium	2.0	0.1	µg/L	23-Sep-20	EPA200.8
Selenium	< 0.5	0.5	µg/L	23-Sep-20	EPA200.8
Silver	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Strontium	556	0.1	µg/L	23-Sep-20	EPA200.8
Thallium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Tin	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Titanium	7.8	0.1	µg/L	23-Sep-20	EPA200.8
Uranium	7.8	0.1	µg/L	23-Sep-20	EPA200.8
Vanadium	0.8	0.1	µg/L	23-Sep-20	EPA200.8
Zinc	< 5.0	5	µg/L	23-Sep-20	EPA200.8

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Taiga Batch No.:
200742

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP R7**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	12	2	mg/L	11-Sep-20	SM5210:B	
Phosphorous, Total	0.151	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	436	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	6.86		pH units	11-Sep-20	SM4500-H:B	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.04	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	< 1	1	CFU/100mL	11-Sep-20	SM9222:D	
<u>Organics</u>						
Benzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Ethylbenzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Hexane Extractable Material	< 2.0	2.0	mg/L	14-Sep-20	EPA1664A	
Toluene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Xylenes	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	

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Taiga Sample ID: **002**

Subcontracted Inorganics

Calcium	32.4	0.05	mg/L	21-Sep-20	EPA200.2
Magnesium	16.4	0.005	mg/L	21-Sep-20	EPA200.2
Potassium	1.07	0.05	mg/L	21-Sep-20	EPA200.2
Sodium	37.7	0.05	mg/L	21-Sep-20	EPA200.2

Subcontracted Organics

Phenols, Total	< 0.0010	0.001	mg/L	17-Sep-20	AB ENV.06537
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Trace Metals, Total

Aluminum	1090	5	µg/L	23-Sep-20	EPA200.8
Antimony	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Arsenic	1.5	0.2	µg/L	23-Sep-20	EPA200.8
Barium	52.4	0.1	µg/L	23-Sep-20	EPA200.8
Beryllium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Bismuth	< 0.2	0.2	µg/L	23-Sep-20	EPA200.8
Boron	27.9	0.9	µg/L	23-Sep-20	EPA200.8
Cadmium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Cesium	0.1	0.1	µg/L	23-Sep-20	EPA200.8
Chromium	2.3	0.1	µg/L	23-Sep-20	EPA200.8
Cobalt	1.3	0.1	µg/L	23-Sep-20	EPA200.8
Copper	1.3	0.2	µg/L	23-Sep-20	EPA200.8
Iron	2930	5	µg/L	23-Sep-20	EPA200.8
Lead	0.6	0.1	µg/L	23-Sep-20	EPA200.8
Lithium	8.3	0.2	µg/L	23-Sep-20	EPA200.8
Manganese	247	0.1	µg/L	23-Sep-20	EPA200.8
Mercury	0.01	0.01	µg/L	23-Sep-20	EPA200.8

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Client Sample ID: **SNP R7**

Taiga Sample ID: **002**

Molybdenum	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Nickel	2.4	0.1	µg/L	23-Sep-20	EPA200.8
Rubidium	2.8	0.1	µg/L	23-Sep-20	EPA200.8
Selenium	< 0.5	0.5	µg/L	23-Sep-20	EPA200.8
Silver	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Strontium	293	0.1	µg/L	23-Sep-20	EPA200.8
Thallium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Tin	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Titanium	43.0	0.1	µg/L	23-Sep-20	EPA200.8
Uranium	0.4	0.1	µg/L	23-Sep-20	EPA200.8
Vanadium	2.5	0.1	µg/L	23-Sep-20	EPA200.8
Zinc	5.7	5	µg/L	23-Sep-20	EPA200.8

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Taiga Batch No.:
200742

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP R8**

Taiga Sample ID: **003**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.014	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	4	2	mg/L	11-Sep-20	SM5210:B	
Phosphorous, Total	0.250	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	868	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	8.11		pH units	11-Sep-20	SM4500-H:B	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.08	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	18	1	CFU/100mL	11-Sep-20	SM9222:D	
<u>Organics</u>						
Benzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Ethylbenzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Hexane Extractable Material	< 2.0	2.0	mg/L	14-Sep-20	EPA1664A	
Toluene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Xylenes	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	

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Client Sample ID: **SNP R8**

Taiga Sample ID: **003**

Subcontracted Inorganics

Calcium	60.0	0.05	mg/L	21-Sep-20	EPA200.2
Magnesium	48.7	0.005	mg/L	21-Sep-20	EPA200.2
Potassium	6.30	0.05	mg/L	21-Sep-20	EPA200.2
Sodium	54.3	0.05	mg/L	21-Sep-20	EPA200.2

Subcontracted Organics

Phenols, Total	< 0.0010	0.001	mg/L	17-Sep-20	AB ENV.06537
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Trace Metals, Total

Aluminum	1710	5	µg/L	23-Sep-20	EPA200.8
Antimony	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Arsenic	4.0	0.2	µg/L	23-Sep-20	EPA200.8
Barium	52.5	0.1	µg/L	23-Sep-20	EPA200.8
Beryllium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Bismuth	< 0.2	0.2	µg/L	23-Sep-20	EPA200.8
Boron	290	0.9	µg/L	23-Sep-20	EPA200.8
Cadmium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Cesium	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Chromium	3.5	0.1	µg/L	23-Sep-20	EPA200.8
Cobalt	1.3	0.1	µg/L	23-Sep-20	EPA200.8
Copper	2.7	0.2	µg/L	23-Sep-20	EPA200.8
Iron	2330	5	µg/L	23-Sep-20	EPA200.8
Lead	0.8	0.1	µg/L	23-Sep-20	EPA200.8
Lithium	15.0	0.2	µg/L	23-Sep-20	EPA200.8
Manganese	122	0.1	µg/L	23-Sep-20	EPA200.8
Mercury	< 0.01	0.01	µg/L	23-Sep-20	EPA200.8

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Client Sample ID: **SNP R8**

Taiga Sample ID: **003**

Molybdenum	0.7	0.1	µg/L	23-Sep-20	EPA200.8
Nickel	5.5	0.1	µg/L	23-Sep-20	EPA200.8
Rubidium	4.9	0.1	µg/L	23-Sep-20	EPA200.8
Selenium	< 0.5	0.5	µg/L	23-Sep-20	EPA200.8
Silver	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Strontium	262	0.1	µg/L	23-Sep-20	EPA200.8
Thallium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Tin	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Titanium	81.3	0.1	µg/L	23-Sep-20	EPA200.8
Uranium	10.9	0.1	µg/L	23-Sep-20	EPA200.8
Vanadium	3.8	0.1	µg/L	23-Sep-20	EPA200.8
Zinc	7.6	5	µg/L	23-Sep-20	EPA200.8

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP R9**

Taiga Sample ID: **004**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Lagoon, Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	4	2	mg/L	11-Sep-20	SM5210:B	
Phosphorous, Total	0.046	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	257	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	7.58		pH units	11-Sep-20	SM4500-H:B	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.06	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	1	1	CFU/100mL	11-Sep-20	SM9222:D	
<u>Organics</u>						
Benzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Ethylbenzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Hexane Extractable Material	< 2.0	2.0	mg/L	18-Sep-20	EPA1664A	
Toluene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Xylenes	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	

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Client Sample ID: **SNP R9**

Taiga Sample ID: **004**

Subcontracted Inorganics

Calcium	21.7	0.05	mg/L	21-Sep-20	EPA200.2
Magnesium	15.9	0.005	mg/L	21-Sep-20	EPA200.2
Potassium	3.02	0.05	mg/L	21-Sep-20	EPA200.2
Sodium	11.2	0.05	mg/L	21-Sep-20	EPA200.2

Subcontracted Organics

Phenols, Total	< 0.0010	0.001	mg/L	17-Sep-20	AB ENV.06537
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Trace Metals, Total

Aluminum	449	5	µg/L	23-Sep-20	EPA200.8
Antimony	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Arsenic	1.7	0.2	µg/L	23-Sep-20	EPA200.8
Barium	26.8	0.1	µg/L	23-Sep-20	EPA200.8
Beryllium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Bismuth	< 0.2	0.2	µg/L	23-Sep-20	EPA200.8
Boron	16.7	0.9	µg/L	23-Sep-20	EPA200.8
Cadmium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Cesium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Chromium	1.0	0.1	µg/L	23-Sep-20	EPA200.8
Cobalt	0.6	0.1	µg/L	23-Sep-20	EPA200.8
Copper	0.8	0.2	µg/L	23-Sep-20	EPA200.8
Iron	1420	5	µg/L	23-Sep-20	EPA200.8
Lead	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Lithium	12.0	0.2	µg/L	23-Sep-20	EPA200.8
Manganese	222	0.1	µg/L	23-Sep-20	EPA200.8
Mercury	< 0.01	0.01	µg/L	23-Sep-20	EPA200.8

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Client Sample ID: SNP R9

Taiga Sample ID: 004

Molybdenum	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Nickel	1.8	0.1	µg/L	23-Sep-20	EPA200.8
Rubidium	1.7	0.1	µg/L	23-Sep-20	EPA200.8
Selenium	< 0.5	0.5	µg/L	23-Sep-20	EPA200.8
Silver	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Strontium	91.1	0.1	µg/L	23-Sep-20	EPA200.8
Thallium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Tin	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Titanium	20.7	0.1	µg/L	23-Sep-20	EPA200.8
Uranium	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Vanadium	1.1	0.1	µg/L	23-Sep-20	EPA200.8
Zinc	< 5.0	5	µg/L	23-Sep-20	EPA200.8

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP R10**

Taiga Sample ID: **005**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Lagoon, Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	4	2	mg/L	11-Sep-20	SM5210:B	
Phosphorous, Total	0.032	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	761	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	7.67		pH units	11-Sep-20	SM4500-H:B	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.08	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	14	1	CFU/100mL	11-Sep-20	SM9222:D	
<u>Organics</u>						
Benzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Ethylbenzene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Hexane Extractable Material	< 2.0	2.0	mg/L	18-Sep-20	EPA1664A	
Toluene	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	
Xylenes	< 0.002	0.002	mg/L	17-Sep-20	EPA8260B	

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Print Date: **Monday, September 28, 2020**

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

Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP R10**

Taiga Sample ID: **005**

Subcontracted Inorganics

Calcium	46.9	0.05	mg/L	21-Sep-20	EPA200.2
Magnesium	62.2	0.005	mg/L	21-Sep-20	EPA200.2
Potassium	8.54	0.05	mg/L	21-Sep-20	EPA200.2
Sodium	32.8	0.05	mg/L	21-Sep-20	EPA200.2

Subcontracted Organics

Phenols, Total	< 0.0010	0.001	mg/L	17-Sep-20	AB ENV.06537
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Trace Metals, Total

Aluminum	33.0	5	µg/L	23-Sep-20	EPA200.8
Antimony	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Arsenic	1.3	0.2	µg/L	23-Sep-20	EPA200.8
Barium	48.4	0.1	µg/L	23-Sep-20	EPA200.8
Beryllium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Bismuth	< 0.2	0.2	µg/L	23-Sep-20	EPA200.8
Boron	309	0.9	µg/L	23-Sep-20	EPA200.8
Cadmium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Cesium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Chromium	0.3	0.1	µg/L	23-Sep-20	EPA200.8
Cobalt	0.1	0.1	µg/L	23-Sep-20	EPA200.8
Copper	0.2	0.2	µg/L	23-Sep-20	EPA200.8
Iron	86	5	µg/L	23-Sep-20	EPA200.8
Lead	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Lithium	9.6	0.2	µg/L	23-Sep-20	EPA200.8
Manganese	86.3	0.1	µg/L	23-Sep-20	EPA200.8
Mercury	< 0.01	0.01	µg/L	23-Sep-20	EPA200.8

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Client Sample ID: SNP R10

Taiga Sample ID: 005

Molybdenum	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Nickel	3.0	0.1	µg/L	23-Sep-20	EPA200.8
Rubidium	1.1	0.1	µg/L	23-Sep-20	EPA200.8
Selenium	< 0.5	0.5	µg/L	23-Sep-20	EPA200.8
Silver	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Strontium	187	0.1	µg/L	23-Sep-20	EPA200.8
Thallium	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Tin	< 0.1	0.1	µg/L	23-Sep-20	EPA200.8
Titanium	1.5	0.1	µg/L	23-Sep-20	EPA200.8
Uranium	0.7	0.1	µg/L	23-Sep-20	EPA200.8
Vanadium	0.2	0.1	µg/L	23-Sep-20	EPA200.8
Zinc	< 5.0	5	µg/L	23-Sep-20	EPA200.8

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Taiga Batch No.:

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP E2**

Taiga Sample ID: **006**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Lagoon, Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	14.1	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	104	2	mg/L	11-Sep-20	SM5210:B	
Nitrogen, Total	52.7	0.6	mg/L	22-Sep-20	ISO/TR 11905:1997(E)	
Phosphorous, Total	8.70	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	508	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	7.03		pH units	11-Sep-20	SM4500-H:B	
Solids, Total Suspended	765	3	mg/L	14-Sep-20	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.18	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	27000	1000	CFU/100mL	11-Sep-20	SM9222:D	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP E3**

Taiga Sample ID: **007**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Lagoon, Landfill

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.126	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	32	2	mg/L	11-Sep-20	SM5210:B	
Nitrogen, Total	2.72	0.6	mg/L	22-Sep-20	ISO/TR 11905:1997(E)	
Phosphorous, Total	1.04	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	495	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	6.79		pH units	11-Sep-20	SM4500-H:B	
Solids, Total Suspended	353	3	mg/L	14-Sep-20	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.07	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	< 100	100	CFU/100mL	11-Sep-20	SM9222:D	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP E4**

Taiga Sample ID: **008**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 11-Sep-20

Sampling Date: 10-Sep-20

Sampling Time: 14:30

Location: Rae Lagoon, Landfill

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	12.9	0.005	mg/L	14-Sep-20	SM4500-NH3:G	
Biochemical Oxygen Demand	22	2	mg/L	11-Sep-20	SM5210:B	55
Nitrogen, Total	18.6	0.6	mg/L	22-Sep-20	ISO/TR 11905:1997(E)	
Phosphorous, Total	0.834	0.002	mg/L	15-Sep-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	506	0.4	µS/cm	11-Sep-20	SM2510:B	
pH	7.18		pH units	11-Sep-20	SM4500-H:B	
Solids, Total Suspended	65	3	mg/L	14-Sep-20	SM2540:D	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.26	0.01	mg/L	11-Sep-20	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	52	1	CFU/100mL	11-Sep-20	SM9222:D	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: SNP E4

Taiga Sample ID: 008

- DATA QUALIFIERS -

Data Qualifier Descriptions:

55 BOD result is inconclusive; residual DO was less than 1 mg/L. For evaluation purposes only.

* 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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