



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

Taiga Batch No.:
241320

- FINAL REPORT -

Prepared For: Town of Hay River

Address: 100 - 62 Woodland Drive
Hay River, NT
X0E 1G1

Attn: John Kay

Facsimile: (867) 874-3237

Final report has been reviewed and approved by:

Bradley Koswan
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: 16-Sep-24

Print Date: 16-Sep-24

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Taiga Batch No.:
241320

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **MSS20240828-3**

Taiga Sample ID: **001**

Client Project: MSS20240828-3

Sample Type: Sewage

Received Date: 29-Aug-24

Sampling Date: 28-Aug-24

Sampling Time: 13:35

Location: SNP0053-3

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Cations by ICP-MS</u>						
Calcium	75.8	0.1	mg/L	03-Sep-24	TEL035	
Hardness	271	0.7	mg/L	03-Sep-24	TEL035	
Magnesium	20.0	0.1	mg/L	03-Sep-24	TEL035	
Potassium	12.9	0.1	mg/L	03-Sep-24	TEL035	
Sodium	49.7	0.1	mg/L	03-Sep-24	TEL035	
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	41.4	0.105	mg/L	03-Sep-24	TEL068	210
Biochemical Oxygen Demand	138	2	mg/L	29-Aug-24	TEL019	
CBOD	136	2	mg/L	29-Aug-24	TEL019	
Organic Carbon, Total	77.2	0.5	mg/L	05-Sep-24	TEL033	
Ortho-Phosphate as Phosphorus	4.73	0.01	mg/L	30-Aug-24	TEL069	210
Phosphorous, Dissolved	4.73	0.008	mg/L	06-Sep-24	TEL069	210
Phosphorous, Total	6.33	0.008	mg/L	06-Sep-24	TEL069	210
<u>Inorganics - Physicals</u>						

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Alkalinity, Total (as CaCO ₃)	359	0.4	mg/L	29-Aug-24	TEL060	
Conductivity, Specific (@25C)	1030	0.4	µS/cm	29-Aug-24	TEL059	
pH	7.74		pH units	29-Aug-24	TEL058	
Solids, Total Dissolved	494	10	mg/L	03-Sep-24	TEL009	
Solids, Total Suspended	56	3	mg/L	03-Sep-24	TEL008	
<u>Major Ions</u>						
Chloride	73.5	0.7	mg/L	30-Aug-24	TEL055	
Fluoride	< 0.1	0.1	mg/L	30-Aug-24	TEL055	
Nitrate as Nitrogen	0.02	0.01	mg/L	30-Aug-24	TEL055	
Sulphate	6	1	mg/L	30-Aug-24	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal	92000	1000	CFU/100mL	29-Aug-24	TEL017	210
Enterococci	11200	10	MPN/100ml	29-Aug-24	TEL053	210
<u>Subcontracted Nutrients</u>						
Kjeldahl Nitrogen, Total	44.4	0.05	mg/L	05-Sep-24	APHA4500-NORG (T	
<u>Subcontracted Organics</u>						
Hexane Extractable Material	< 5.0	5	mg/L	05-Sep-24	APHA 5520B	

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- 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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