


FW: Emailing: 240735 - 2425 - FINAL REPORT, 240735 - 2425 - FINAL REPORT

Erica Janes <ejanes@mvlwb.com>

Thu 27-Jun-2024 12:13 PM

To: Meg McCluskie <mmcluskie@mvlwb.com>

Cc: Heather Scott <heather.scott@mvlwb.com>

 2 attachments (530 KB)

240735 - 2425 - FINAL REPORT.pdf; 240735 - 2425 - FINAL REPORT.xls;

Please post PDF and Excel to MV2016L3-0001.

-----Original Message-----

From: taiga <taiga@gov.nt.ca>

Sent: Thursday, June 27, 2024 11:37 AM

To: Susan Christie (sao@fortprovidence.ca) <sao@fortprovidence.ca>; 'works@fortprovidence.ca' <works@fortprovidence.ca>; Erica Janes <ejanes@mvlwb.com>; Joshua Gauthier <Joshua_Gauthier@gov.nt.ca>; Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>

Subject: Emailing: 240735 - 2425 - FINAL REPORT, 240735 - 2425 - FINAL REPORT

Susan,

Please see attached for final report 240735.

Have a good day.

Mársı | Kinanāskomitin | Thank you | Merci | Hąj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Glen Hudy

Quality Assurance Officer

Water Management and Monitoring

Environment and Climate Change

Government of the Northwest Territories

Taiga Environmental Laboratory

4601 – 52nd Avenue

PO Box 1320

Yellowknife, NT X1A 2L9

Phone: 867-767-9235, ext.53154

Fax: 867-920-8740

www.gov.nt.caSurvey: <https://www.surveymonkey.com/r/TaigaLab>

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Your message is ready to be sent with the following file or link attachments:

240735 - 2425 - FINAL REPORT

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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.:
240735

- FINAL REPORT -

Prepared For: Hamlet of Fort Providence

Address: General Delivery
Fort Providence, NT
X0E 0L0

Attn: Susan Christie

Facsimile: (867) 699-4624

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.
- Results are based on the specific tests at the time of analysis, does not represent the conditions during sampling and relates only to the items tested.

ReportDate: June 27, 2024

Print Date: *June 27, 2024*

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Taiga Environmental Laboratory

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

Taiga Batch No.:
240735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **1412-2**

Taiga Sample ID: **001**

Client Project:

Sample Type: Water

Received Date: 07-Jun-24

Sampling Date: 07-Jun-24

Sampling Time:

Location: Ft. Providence

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	25.7	0.105	mg/L	17-Jun-24	TEL068	210
CBOD	42	2	mg/L	07-Jun-24	TEL019	246
Phosphorous, Total	7.14	0.008	mg/L	12-Jun-24	TEL069	210
<u>Inorganics - Physicals</u>						
pH	8.69		pH units	07-Jun-24	TEL058	
Solids, Total Suspended	74	3	mg/L	11-Jun-24	TEL008	
<u>Major Ions</u>						
Nitrate as Nitrogen	0.12	0.01	mg/L	08-Jun-24	TEL055	
Nitrite as Nitrogen	1.09	0.01	mg/L	08-Jun-24	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal		2	CFU/100mL	07-Jun-24	TEL017	97
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2	mg/L	17-Jun-24	TEL072	

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Print Date: **June 27, 2024**



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

Taiga Batch No.:
240735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **2016-1**

Taiga Sample ID: **002**

Client Project:

Sample Type: Water

Received Date: 07-Jun-24

Sampling Date: 07-Jun-24

Sampling Time:

Location: Ft. Providence

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.429	0.005	mg/L	17-Jun-24	TEL068	
CBOD	54	2	mg/L	07-Jun-24	TEL019	
Phosphorous, Total	6.65	0.008	mg/L	12-Jun-24	TEL069	210
<u>Inorganics - Physicals</u>						
pH	6.93		pH units	07-Jun-24	TEL058	
Solids, Total Suspended	2160	3	mg/L	11-Jun-24	TEL008	
<u>Major Ions</u>						
Nitrate as Nitrogen	0.57	0.01	mg/L	10-Jun-24	TEL055	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	10-Jun-24	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal		2	CFU/100mL	07-Jun-24	TEL017	97
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2	mg/L	18-Jun-24	TEL072	

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Taiga Batch No.:
240735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **2016-3**

Taiga Sample ID: **003**

Client Project:

Sample Type: Water

Received Date: 07-Jun-24

Sampling Date: 07-Jun-24

Sampling Time:

Location: Ft. Providence

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Cations by ICP-MS</u>						
Calcium	112	0.1	mg/L	13-Jun-24	TEL035	
Magnesium	34.9	0.1	mg/L	13-Jun-24	TEL035	
Potassium	22.1	0.1	mg/L	13-Jun-24	TEL035	
Sodium	35.3	0.1	mg/L	13-Jun-24	TEL035	
<u>Inorganics - Nutrients</u>						
Ortho-Phosphate as Phosphorus	0.004	0.002	mg/L	11-Jun-24	TEL069	
Phosphorous, Total	0.031	0.002	mg/L	12-Jun-24	TEL069	
<u>Inorganics - Physicals</u>						
Conductivity, Specific (@25C)	965	0.4	µS/cm	07-Jun-24	TEL059	
pH	7.91		pH units	07-Jun-24	TEL058	
Solids, Total Suspended	11	3	mg/L	11-Jun-24	TEL008	
<u>Major Ions</u>						
Sulphate	261	11	mg/L	12-Jun-24	TEL055	210
<u>Organics</u>						
Benzene	< 2.00	2	µg/L	17-Jun-24	TEL037	
Ethylbenzene	< 2.00	2	µg/L	17-Jun-24	TEL037	

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240735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 2016-3

Taiga Sample ID: 003

F2: C10-C16	< 0.2	0.2	mg/L	18-Jun-24	TEL077
F3: C16-C34	< 0.2	0.2	mg/L	18-Jun-24	TEL077
F4: C34-C50	< 0.2	0.2	mg/L	18-Jun-24	TEL077
Hexane Extractable Material	< 2.0	2	mg/L	18-Jun-24	TEL072
Hydrocarbons, Total Extractable	< 0.2	0.2	mg/L	18-Jun-24	TEL077
Toluene	< 2.00	2	µg/L	17-Jun-24	TEL037
Xylenes	< 2.00	2	µg/L	17-Jun-24	TEL037
<u>Subcontracted Organics</u>					
Phenols, Total	< 0.0010	0.001	mg/L	14-Jun-24	AB ENV.06537
<u>Trace Metals, Total</u>					
Cadmium	< 0.04	0.04	µg/L	18-Jun-24	TEL035
Chromium	0.1	0.1	µg/L	18-Jun-24	TEL035
Cobalt	0.2	0.1	µg/L	18-Jun-24	TEL035
Copper	0.8	0.2	µg/L	18-Jun-24	TEL035
Iron	243	5	µg/L	18-Jun-24	TEL035
Lead	0.1	0.1	µg/L	18-Jun-24	TEL035
Manganese	44.7	0.1	µg/L	18-Jun-24	TEL035
Mercury	0.04	0.01	µg/L	18-Jun-24	TEL035
Nickel	1.8	0.1	µg/L	18-Jun-24	TEL035
Zinc	1.0	0.4	µg/L	18-Jun-24	TEL035

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Taiga Batch No.:

240735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **2016-3**

Taiga Sample ID: **003**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

210 *Detection limit adjusted for required dilution.*

246 *pH adjusted before analysis*

97 *Analyst error, analysis was not completed.*

*** 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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