

Bijaya Adhikari

From: Tom Ng <saoaklavik@permafrost.com>
Sent: April 28, 2022 10:49 AM
To: Bijaya Adhikari
Subject: Additional Information for 2019 Annual Report
Attachments: 2019 Municipal Water License Annual Report - Request for Additional Information.pdf; 190123 - 1920 - FINAL REPORT.pdf; 190539 - 1920 - FINAL REPORT.pdf; 191058 - 1920 - FINAL REPORT.pdf; 191057 - 1920 - FINAL REPORT.pdf; 190952 - 1920 - FINAL REPORT.pdf; 190540 - 1920 - FINAL REPORT.pdf; 190489 - 1920 - FINAL REPORT.pdf; 190208 - 1920 - FINAL REPORT.pdf

Good morning Bijaya,

With reference to the attached letter from you dated June 29, 2020, the following are our responses:

- (1) During the 2019 calendar year, our Hamlet did not store any hazardous waste on site, and we did not transport any hazardous waste off site.
- (2) Please see attached 8 Final Reports from Taiga Environmental Laboratory, for both our Water Treatment Plant and Sewage Lagoon.
- (3) During the 2019 calendar year, there was no closure and reclamation work completed. There was no work anticipated for the next year.
- (4) There was no updates and/or revisions to any of these plans.
- (5) Hamlet staff performed inspections. No corrective action was necessary.
- (6) There was no correspondence between the Inspector and the Licensee.

Please let me know if you need any additional information for 2019, 2020, or 2021.

Tom Ng, CPA, CGA
Senior Administrative Officer
Hamlet of Aklavik
Telephone: 867-978-2351

From: Bijaya Adhikari <adhikarib@inuvwb.ca>
Sent: April 22, 2022 11:30 AM
To: saoaklavik@permafrost.com
Subject: MWL AR Template

Hi Tom,
Please see the attached template for MWL Annual report.

Thanks,

Bijaya

*Bijaya Adhikari, PhD
Science and Regulatory Coordinator
Inuvialuit Water Board
P.O. Box 2531, Inuvik, NT X0E 0T0*

Tel: (867) 678-8610
Fax: (867) 678-2943
Email: adhikarib@inuvwb.ca
Website: www.inuvwb.ca



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

Taiga Batch No.:
190539

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*

Page 1 of 6



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190539

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SW1**

Taiga Sample ID: **001**

Client Project:

Sample Type: Sewage

Received Date: 18-Jul-19

Sampling Date: 16-Jul-19

Sampling Time: 13:15

Location: Sewage Lagoon

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	4	2	mg/L	18-Jul-19	SM5210:B	
CBOD	4	2	mg/L	18-Jul-19	SM5210:B	
<u>Inorganics - Physicals</u>						
pH	9.00		pH units	18-Jul-19	SM4500-H:B	
Solids, Total Suspended	13	3	mg/L	22-Jul-19	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal		1	CFU/100mL		SM9222:D	16
Coliforms, Total		1.0	MPN/100ml		SM9223:B	16
Escherichia coli		1.0	MPN/100ml		SM9223:B	16
<u>Subcontracted Organics</u>						
Bromodichloromethane	< 0.0010	0.001	mg/L	25-Jul-19	SW-846	
Bromoform	< 0.0050	0.005	mg/L	25-Jul-19	SW-846	
Chloroform	< 0.0010	0.001	mg/L	25-Jul-19	SW-846	
Dibromochloromethane	< 0.0010	0.001	mg/L	25-Jul-19	SW-846	
Trihalomethanes, Total	< 0.0050	0.005	mg/L	25-Jul-19	SW-846	

ReportDate: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*



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

Taiga Batch No.:
190539

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SW1**

Taiga Sample ID: **001**

Trace Metals, Dissolved

Aluminum	13.0	0.6	µg/L	26-Jul-19	EPA200.8
Antimony	0.1	0.1	µg/L	26-Jul-19	EPA200.8
Arsenic	1.3	0.2	µg/L	26-Jul-19	EPA200.8
Barium	52.4	0.1	µg/L	26-Jul-19	EPA200.8
Beryllium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Cadmium	< 0.04	0.04	µg/L	26-Jul-19	EPA200.8
Cesium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Chromium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Cobalt	0.2	0.1	µg/L	26-Jul-19	EPA200.8
Copper	0.4	0.2	µg/L	26-Jul-19	EPA200.8
Iron	23	5	ug/L	26-Jul-19	EPA200.8
Lead	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Lithium	5.5	0.2	µg/L	26-Jul-19	EPA200.8
Manganese	1.1	0.1	µg/L	26-Jul-19	EPA200.8
Molybdenum	1.0	0.1	µg/L	26-Jul-19	EPA200.8
Nickel	1.6	0.1	µg/L	26-Jul-19	EPA200.8
Rubidium	1.0	0.1	µg/L	26-Jul-19	EPA200.8
Selenium	< 0.3	0.3	µg/L	26-Jul-19	EPA200.8
Silver	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Strontium	101	0.1	µg/L	26-Jul-19	EPA200.8
Thallium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Titanium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Uranium	0.2	0.1	µg/L	26-Jul-19	EPA200.8
Vanadium	0.2	0.1	µg/L	26-Jul-19	EPA200.8

ReportDate: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*



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

Taiga Batch No.:
190539

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SW1**

Taiga Sample ID: **001**

Zinc	< 0.4	0.4	µg/L	26-Jul-19	EPA200.8
<u>Trace Metals, Total</u>					
Aluminum	30.7	5	µg/L	26-Jul-19	EPA200.8
Antimony	0.1	0.1	µg/L	26-Jul-19	EPA200.8
Arsenic	1.8	0.2	µg/L	26-Jul-19	EPA200.8
Barium	55.8	0.1	µg/L	26-Jul-19	EPA200.8
Beryllium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Cadmium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Cesium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Chromium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Cobalt	0.2	0.1	µg/L	26-Jul-19	EPA200.8
Copper	1.0	0.2	µg/L	26-Jul-19	EPA200.8
Iron	259	5	µg/L	26-Jul-19	EPA200.8
Lead	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Lithium	5.6	0.2	µg/L	26-Jul-19	EPA200.8
Manganese	37.6	0.1	µg/L	26-Jul-19	EPA200.8
Molybdenum	1.1	0.1	µg/L	26-Jul-19	EPA200.8
Nickel	1.8	0.1	µg/L	26-Jul-19	EPA200.8
Rubidium	1.1	0.1	µg/L	26-Jul-19	EPA200.8
Selenium	< 0.5	0.5	µg/L	26-Jul-19	EPA200.8
Silver	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Strontium	104	0.1	µg/L	26-Jul-19	EPA200.8
Thallium	< 0.1	0.1	µg/L	26-Jul-19	EPA200.8
Titanium	0.5	0.1	µg/L	26-Jul-19	EPA200.8
Uranium	0.2	0.1	µg/L	26-Jul-19	EPA200.8

ReportDate: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190539

- CERTIFICATE OF ANALYSIS -

Client Sample ID: SW1

Taiga Sample ID: 001

Vanadium	0.3	0.1	µg/L	26-Jul-19	EPA200.8
Zinc	< 5.0	5	µg/L	26-Jul-19	EPA200.8

ReportDate: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*

Page 5 of 6



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

Taiga Batch No.:
190539

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SW1**

Taiga Sample ID: **001**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

16 *Test requested but no sample bottle received*

*** 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: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*

Page 6 of 6



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

Taiga Batch No.:
191058

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Friday, November 08, 2019

Print Date: *Friday, November 08, 2019*

Page 1 of 6



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
191058

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **1**

Taiga Sample ID: **001**

Client Project:

Sample Type: Drinking Water (Raw)

Received Date: 31-Oct-19

Sampling Date: 30-Oct-19

Sampling Time: 8:00

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Organic Carbon, Dissolved	3.1	0.5	mg/L	05-Nov-19	SM5310:B	
Organic Carbon, Total	3.2	0.5	mg/L	06-Nov-19	SM5310:B	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	128	0.4	mg/L	31-Oct-19	SM2320:B	
Colour, True	10	5	TCU	31-Oct-19	SM2120:B	
pH	8.01		pH units	31-Oct-19	SM4500-H:B	
Solids, Total Dissolved	314	10	mg/L	01-Nov-19	SM2540:C	
Solids, Total Suspended	6	3	mg/L	01-Nov-19	SM2540:D	
Turbidity	5.59	0.05	NTU	31-Oct-19	SM2130:B	
<u>Major Ions</u>						
Chloride	3.4	0.7	mg/L	31-Oct-19	SM4110:B	
Fluoride	< 0.1	0.1	mg/L	31-Oct-19	SM4110:B	
Hardness	255	0.7	mg/L	31-Oct-19	SM4110:B	
Nitrate as Nitrogen	0.42	0.01	mg/L	31-Oct-19	SM4110:B	

ReportDate: Friday, November 08, 2019

Print Date: *Friday, November 08, 2019*

Page 2 of 6



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

Taiga Batch No.:
191058

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 1

Taiga Sample ID: 001

Sodium	10.6	0.1	mg/L	31-Oct-19	SM4110:B
Sulphate	144	1	mg/L	31-Oct-19	SM4110:B
<u>Subcontracted Organics</u>					
Cyanide, Total	< 0.0050	0.005	mg/L	04-Nov-19	APHA4500-CN
<u>Trace Metals, Total</u>					
Aluminum	119	0.6	µg/L	07-Nov-19	EPA200.8
Arsenic	0.3	0.2	µg/L	07-Nov-19	EPA200.8
Barium	72.2	0.1	µg/L	07-Nov-19	EPA200.8
Cadmium	0.08	0.04	µg/L	07-Nov-19	EPA200.8
Chromium	0.3	0.1	µg/L	07-Nov-19	EPA200.8
Copper	0.7	0.2	µg/L	07-Nov-19	EPA200.8
Iron	251	5	ug/L	07-Nov-19	EPA200.8
Lead	0.1	0.1	µg/L	07-Nov-19	EPA200.8
Manganese	41.1	0.1	µg/L	07-Nov-19	EPA200.8
Mercury	< 0.01	0.01	µg/L	07-Nov-19	EPA200.8
Selenium	0.6	0.3	µg/L	07-Nov-19	EPA200.8
Uranium	1.5	0.1	µg/L	07-Nov-19	EPA200.8
Zinc	4.4	0.4	µg/L	07-Nov-19	EPA200.8

ReportDate: Friday, November 08, 2019

Print Date: *Friday, November 08, 2019*

Page 3 of 6



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
191058

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **2**

Taiga Sample ID: **002**

Client Project:

Sample Type: Drinking Water (Treated)

Received Date: 31-Oct-19

Sampling Date: 30-Oct-19

Sampling Time: 8:00

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Organic Carbon, Dissolved	2.0	0.5	mg/L	05-Nov-19	SM5310:B	
Organic Carbon, Total	1.8	0.5	mg/L	06-Nov-19	SM5310:B	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	94.3	0.4	mg/L	31-Oct-19	SM2320:B	
Colour, True	< 5	5	TCU	31-Oct-19	SM2120:B	
pH	7.15		pH units	31-Oct-19	SM4500-H:B	
Solids, Total Dissolved	32	10	mg/L	01-Nov-19	SM2540:C	
Solids, Total Suspended	< 3	3	mg/L	01-Nov-19	SM2540:D	
Turbidity	0.31	0.05	NTU	31-Oct-19	SM2130:B	
<u>Major Ions</u>						
Chloride	7.2	0.7	mg/L	31-Oct-19	SM4110:B	
Fluoride	< 0.1	0.1	mg/L	31-Oct-19	SM4110:B	
Hardness	254	0.7	mg/L	31-Oct-19	SM4110:B	
Nitrate as Nitrogen	0.64	0.01	mg/L	31-Oct-19	SM4110:B	
Sodium	15.1	0.1	mg/L	31-Oct-19	SM4110:B	
Sulphate	179	1	mg/L	31-Oct-19	SM4110:B	

ReportDate: Friday, November 08, 2019

Print Date: *Friday, November 08, 2019*



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
191058

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 2

Taiga Sample ID: 002

Organics

Bromodichloromethane	0.005	mg/L	EPA8260B	16
Bromoform	0.005	mg/L	EPA8260B	16
Chloroform	0.005	mg/L	EPA8260B	16
Dibromochloromethane	0.005	mg/L	EPA8260B	16
Trihalomethanes, Total	0.005	mg/L	EPA8260B	16

Subcontracted Organics

Cyanide, Total	< 0.0050	0.005	mg/L	04-Nov-19	APHA4500-CN
----------------	----------	-------	------	-----------	-------------

Trace Metals, Total

Aluminum	97.6	0.6	µg/L	07-Nov-19	EPA200.8
Arsenic	< 0.2	0.2	µg/L	07-Nov-19	EPA200.8
Barium	58.4	0.1	µg/L	07-Nov-19	EPA200.8
Cadmium	0.05	0.04	µg/L	07-Nov-19	EPA200.8
Chromium	< 0.1	0.1	µg/L	07-Nov-19	EPA200.8
Copper	0.3	0.2	µg/L	07-Nov-19	EPA200.8
Iron	6	5	ug/L	07-Nov-19	EPA200.8
Lead	< 0.1	0.1	µg/L	07-Nov-19	EPA200.8
Manganese	28.5	0.1	µg/L	07-Nov-19	EPA200.8
Mercury	0.14	0.01	µg/L	07-Nov-19	EPA200.8
Selenium	0.6	0.3	µg/L	07-Nov-19	EPA200.8
Uranium	0.3	0.1	µg/L	07-Nov-19	EPA200.8
Zinc	1.8	0.4	µg/L	07-Nov-19	EPA200.8

ReportDate: Friday, November 08, 2019

Print Date: *Friday, November 08, 2019*



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

191058

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 2

Taiga Sample ID: 002

- DATA QUALIFIERS -

Data Qualifier Descriptions:

16 *Test requested but no sample bottle received*

*** 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: Friday, November 08, 2019

Print Date: *Friday, November 08, 2019*

Page 6 of 6



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

Taiga Batch No.:
191057

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Wednesday, November 06, 2019

Print Date: *Wednesday, November 06, 2019*

Page 1 of 4



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
191057

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Potable

Received Date: 31-Oct-19

Sampling Date: 30-Oct-19

Sampling Time: 8:08

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
Organics						
Bromodichloromethane	< 0.005	0.005	mg/L	05-Nov-19	EPA8260B	
Bromoform	< 0.005	0.005	mg/L	05-Nov-19	EPA8260B	
Chloroform	0.011	0.005	mg/L	05-Nov-19	EPA8260B	
Dibromochloromethane	< 0.005	0.005	mg/L	05-Nov-19	EPA8260B	
Trihalomethanes, Total	0.013	0.005	mg/L	05-Nov-19	EPA8260B	

ReportDate: Wednesday, November 06, 2019

Print Date: *Wednesday, November 06, 2019*

Page 2 of 4



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

191057

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **002**

Client Project:

Sample Type: Potable

Received Date: 31-Oct-19

Sampling Date: 30-Oct-19

Sampling Time: 8:07

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Organics</u>						
Bromodichloromethane	< 0.005	0.005	mg/L	05-Nov-19	EPA8260B	
Bromoform	< 0.005	0.005	mg/L	05-Nov-19	EPA8260B	
Chloroform	0.012	0.005	mg/L	05-Nov-19	EPA8260B	
Dibromochloromethane	< 0.005	0.005	mg/L	05-Nov-19	EPA8260B	
Trihalomethanes, Total	0.014	0.005	mg/L	05-Nov-19	EPA8260B	

ReportDate: Wednesday, November 06, 2019

Print Date: *Wednesday, November 06, 2019*



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

191057

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **002**

*** 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: Wednesday, November 06, 2019

Print Date: *Wednesday, November 06, 2019*

Page 4 of 4



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

Taiga Batch No.:
190952

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Friday, October 04, 2019

Print Date: *Monday, October 07, 2019*

Page 1 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190952

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Potable

Received Date: 02-Oct-19

Sampling Date: 01-Oct-19

Sampling Time: 8:40

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
Organics						
Bromodichloromethane	< 0.005	0.005	mg/L	03-Oct-19	EPA8260B	110
Bromoform	< 0.005	0.005	mg/L	03-Oct-19	EPA8260B	110
Chloroform	< 0.005	0.005	mg/L	03-Oct-19	EPA8260B	110
Dibromochloromethane	< 0.005	0.005	mg/L	03-Oct-19	EPA8260B	110
Trihalomethanes, Total	< 0.005	0.005	mg/L	03-Oct-19	EPA8260B	110

ReportDate: Friday, October 04, 2019

Print Date: *Monday, October 07, 2019*

Page 2 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

190952

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

110 *Reported result uncertain, due to air in vial.*

*** 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: Friday, October 04, 2019

Print Date: *Monday, October 07, 2019*

Page 3 of 3



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

Taiga Batch No.:
190540

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*

Page 1 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190540

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Potable

Received Date: 18-Jul-19

Sampling Date: 17-Jul-19

Sampling Time: 9:09

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
Subcontracted Organics						
Bromodichloromethane	< 0.0010	0.001	mg/L	25-Jul-19	SW-846	
Bromoform	< 0.0050	0.005	mg/L	25-Jul-19	SW-846	
Chloroform	0.0281	0.001	mg/L	25-Jul-19	SW-846	
Dibromochloromethane	< 0.0010	0.001	mg/L	25-Jul-19	SW-846	
Trihalomethanes, Total	0.0281	0.005	mg/L	25-Jul-19	SW-846	

ReportDate: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*

Page 2 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

190540

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

*** 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: Friday, August 16, 2019

Print Date: *Friday, August 16, 2019*

Page 3 of 3



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

Taiga Batch No.:
190489

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Friday, July 12, 2019

Print Date: *Friday, July 12, 2019*

Page 1 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190489

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Potable

Received Date: 10-Jul-19

Sampling Date: 09-Jul-19

Sampling Time: 8:47

Location: Water Treatment Plant

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
Organics						
Bromodichloromethane	< 0.005	0.005	mg/L	11-Jul-19	EPA8260B	110
Bromoform	< 0.005	0.005	mg/L	11-Jul-19	EPA8260B	110
Chloroform	0.056	0.005	mg/L	11-Jul-19	EPA8260B	110
Dibromochloromethane	< 0.005	0.005	mg/L	11-Jul-19	EPA8260B	110
Trihalomethanes, Total	0.059	0.005	mg/L	11-Jul-19	EPA8260B	110

ReportDate: Friday, July 12, 2019

Print Date: *Friday, July 12, 2019*

Page 2 of 3



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

Taiga Batch No.:
190489

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

110 *Reported result uncertain, due to air in vial.*

*** 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: Friday, July 12, 2019

Print Date: *Friday, July 12, 2019*

Page 3 of 3



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

Taiga Batch No.:
190208

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

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: Friday, May 03, 2019

Print Date: *Friday, May 03, 2019*

Page 1 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190208

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Potable

Received Date: 23-Apr-19

Sampling Date: 17-Apr-19

Sampling Time: 9:29

Location: Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
Subcontracted Organics						
Bromodichloromethane	< 0.0010	0.001	mg/L	26-Apr-19	SW-846	
Bromoform	< 0.0050	0.005	mg/L	26-Apr-19	SW-846	
Chloroform	0.0060	0.001	mg/L	26-Apr-19	SW-846	
Dibromochloromethane	< 0.0010	0.001	mg/L	26-Apr-19	SW-846	
Trihalomethanes, Total	0.0060	0.005	mg/L	26-Apr-19	SW-846	

ReportDate: Friday, May 03, 2019

Print Date: *Friday, May 03, 2019*

Page 2 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

190208

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

*** 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: Friday, May 03, 2019

Print Date: *Friday, May 03, 2019*

Page 3 of 3



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

Taiga Batch No.:
190123

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik, NT
X0E 0A0

Attn: Fred Behrens

Facsimile: (867) 978-2502

Final report has been reviewed and approved by:

Judy Mah
Client Service 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: Wednesday, March 27, 2019

Print Date: *Wednesday, March 27, 2019*

Page 1 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
190123

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Potable

Received Date: 14-Mar-19

Sampling Date: 13-Mar-19

Sampling Time: 9:06

Location: Water Plant Treated

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
Organics						
Bromodichloromethane	< 0.005	0.005	mg/L	25-Mar-19	EPA8260B	110
Bromoform	< 0.005	0.005	mg/L	25-Mar-19	EPA8260B	110
Chloroform	0.007	0.005	mg/L	25-Mar-19	EPA8260B	110
Dibromochloromethane	< 0.005	0.005	mg/L	25-Mar-19	EPA8260B	110
Trihalomethanes, Total	0.008	0.005	mg/L	25-Mar-19	EPA8260B	110

ReportDate: Wednesday, March 27, 2019

Print Date: *Wednesday, March 27, 2019*

Page 2 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

190123

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

110 *Reported result uncertain, due to air in vial.*

*** 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: Wednesday, March 27, 2019

Print Date: *Wednesday, March 27, 2019*

Page 3 of 3