

2025 ANNUAL REPORT FOR THE MUNICIPALITY OF GJOA HAVEN

YEAR BEING REPORTED: 2025

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water License No. **3BM-GJO1828** issued to the **Municipality of Gjoa Haven**.

- a) tabular summaries of all data generated under the “Monitoring Program” (see Appendix C);
- b) summary of modifications to the “Monitoring Program” in accordance with Part H, Item 13;
- c) the daily, monthly and annual quantities in cubic metres of freshwater obtained from all sources;
- d) the daily, monthly and annual quantities in cubic metres of each and all waste discharged; including the hazardous and non-hazardous waste accepted at the Solid Waste Facilities;

Attached are quantities of water used as reported by the Municipality and the estimated discharge of sewage waste based on quantities used.

Month Reported	Quantity of Water Obtained from all sources (m ³)	Quantity of Sewage Waste Discharged (Estimated, m ³)
January	3,854.16	Same
February	3,940.65	Same
March	4,390.08	Same
April	3,790.80	Same
May	4,334.99	Same
June	4,021.53	Same
July	3,745.03	Same
August	3,514.90	Same
September	2,529.84	Same
October	3,741.90	Same
November	4,396.71	Same
December	2,581.10	Same
ANNUAL TOTAL	44,841.69	Same

2025 ANNUAL REPORT FOR THE MUNICIPALITY OF GJOA HAVEN

- e) a summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;**

There were no modifications and/or major maintenance work carried out on the Waste Disposal Facilities in 2025.

- f) a list of unauthorized discharges and summary of follow-up action taken;**

There were no spills associated with licensed infrastructure in 2025.

- g) a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;**

There was no abandonment and restoration work completed during 2025. There is no abandonment and restoration work anticipated for 2026.

- h) a summary of any studies, reports and plans (e.g., Operation and Maintenance, Abandonment and Restoration, QA/QC) requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;**

Water infrastructure feasibility study is currently ongoing. The objective of the study is to provide a conceptual design for water infrastructure that will provide drinking water for the municipality sustainably meeting the community's demands until 2055. The expected completion of the feasibility study is early 2027.

The initial planning study for the solid waste facility was completed in 2020/21. The cost estimates indicated funding could not support the construction of a new 20-year landfill. The focus of the project shifted to making improvements to the current site. A second planning contract to assess and prioritize the improvements to the current site was completed in 2025. Tendering of the detailed design contract is expected to occur late 2026.

- i) any other details on water use or waste disposal requested by the Board by November 1st of the year being reported.**

There were no other details on water use or waste disposal requested by the Board by November 1, 2025.

2025 ANNUAL REPORT FOR THE MUNICIPALITY OF GJOA HAVEN

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

The Sewage Disposal Facility is an impermeable lagoon so there is no flow at GJO-2 or GJO-4 until decant pumping begins.

No flow at GJO-5. Decanting solid waste site was not planned due to lack of leachate. No sample taken.

The tear in the lagoon liner was repaired summer 2025.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

The CIRNAC Inspection did not take place in 2025.

**2025 ANNUAL REPORT
FOR THE MUNICIPALITY OF GJOA HAVEN**

List of Appendices

Appendix A: GJO-4 Effluent Quality Limits

Appendix B: Laboratory Certificate of Analyses

- **Certificate of Analysis 07/22/2025 – 5 pages**
- **Certificate of Analysis 08/28/2025 – 9 pages**

Appendix C: Gjoa Haven 2025 Sampling Summary

**2025 ANNUAL REPORT
FOR THE MUNICIPALITY OF GJOA HAVEN**

Appendix A: GJO-4 Effluent Quality Limits

Parameter	Maximum Concentration of any Grab Sample for GJO-4	Units	28-Aug-25 GJO-4
BOD ₅	80	mg/L	16
Total Suspended Solids	100	mg/L	9
Fecal Coliform	1x10 ⁴	CFU/100 mL	3.4x10 ⁴
Oil and Grease	No visible sheen	N/A	Non-visible
pH	Between 6 and 9	N/A	7.31

Using the parameters listed in the water licence, one exceedance was noted of fecal coliforms, sampled on August 28, 2025.

**2025 ANNUAL REPORT
FOR THE MUNICIPALITY OF GJOA HAVEN**

Appendix B: Laboratory Certificate of Analysis

Taiga Environmental Laboratory

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

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

Taiga Batch No.:

251040

- FINAL REPORT -

Prepared For: [Hamlet of Gjoa Haven](#)

Address: [P.O. Box 200](#)

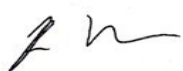
[Gjoa Haven, NU](#)

[X0B 1J0](#)

Attn: [SAO](#)

Facsimile: [\(867\) 360-6309](#)

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.
- [All data provided by the customer will be represented by the blue colour used in this statement.](#)

Taiga Batch No.:
251040

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-2**

Taiga Sample ID: 001

Client Project:

Sample Type: **Sewage Effluent**

Received Date: 23-Jul-25

Sampling Date: **22-Jul-25**

Sampling Time:

Location: **Gjoa Haven Water System**

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Cations by ICP-MS</u>						
Calcium	48.4	0.1	mg/L	29-Jul-25	TEL035	
Hardness	271	0.7	mg/L	29-Jul-25	TEL035	
Magnesium	36.5	0.1	mg/L	29-Jul-25	TEL035	
Potassium	12.0	0.1	mg/L	29-Jul-25	TEL035	
Sodium	41.9	0.1	mg/L	29-Jul-25	TEL035	
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	10.3	0.005	mg/L	05-Aug-25	TEL068	
Biochemical Oxygen Demand	36	2	mg/L	23-Jul-25	TEL019	
CBOD	31	2	mg/L	23-Jul-25	TEL019	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	230	0.4	mg/L	23-Jul-25	TEL060	
Conductivity, Specific (@25C)	803	0.4	µS/cm	23-Jul-25	TEL059	
pH	7.29		pH units	23-Jul-25	TEL058	
Solids, Total Suspended	12	3	mg/L	29-Jul-25	TEL008	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.78	0.01	mg/L	24-Jul-25	TEL055	

ReportDate: Thursday, August 14, 2025

Print Date: Thursday, August 14, 2025

Taiga Batch No.:
251040

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-2**

Taiga Sample ID: 001

Sulphate	87	1	mg/L	24-Jul-25	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal	7600	100	CFU/100mL	23-Jul-25	TEL017	210
<u>Organics</u>						
Oil and Grease, visible	Non-visible			23-Jul-25	Visual Exam	
<u>Subcontracted Organics</u>						
Phenols, Total	0.0761	0.001	mg/L	24-Jul-25	AB ENV.06537	
<u>Trace Metals</u>						
Mercury, Total	7.3	1	ng/L	28-Jul-25	TEL062	
<u>Trace Metals, Total</u>						
Aluminum	40.2	0.6	µg/L	28-Jul-25	TEL035	
Antimony	0.2	0.1	µg/L	28-Jul-25	TEL035	
Arsenic	3.6	0.2	µg/L	28-Jul-25	TEL035	
Barium	7.7	0.1	µg/L	28-Jul-25	TEL035	
Beryllium	< 0.1	0.1	µg/L	28-Jul-25	TEL035	
Bismuth	0.2	0.2	µg/L	28-Jul-25	TEL035	
Boron	113	0.9	µg/L	28-Jul-25	TEL035	
Cadmium	< 0.04	0.04	µg/L	28-Jul-25	TEL035	
Cesium	< 0.1	0.1	µg/L	28-Jul-25	TEL035	
Chromium	0.4	0.1	µg/L	28-Jul-25	TEL035	
Cobalt	1.0	0.1	µg/L	28-Jul-25	TEL035	
Copper	22.9	0.2	µg/L	28-Jul-25	TEL035	
Iron	1160	5	µg/L	28-Jul-25	TEL035	
Lead	0.4	0.1	µg/L	28-Jul-25	TEL035	
Lithium	3.8	0.2	µg/L	28-Jul-25	TEL035	
Manganese	124	0.1	µg/L	28-Jul-25	TEL035	

ReportDate: Thursday, August 14, 2025

Page 3 of 5

Print Date: Thursday, August 14, 2025

Taiga Batch No.:
251040

- CERTIFICATE OF ANALYSIS -

Client Sample ID: GJO-2

Taiga Sample ID: 001

Molybdenum	2.9	0.1	µg/L	28-Jul-25	TEL035
Nickel	2.8	0.1	µg/L	28-Jul-25	TEL035
Rubidium	6.0	0.1	µg/L	28-Jul-25	TEL035
Selenium	0.4	0.3	µg/L	28-Jul-25	TEL035
Silver	< 0.1	0.1	µg/L	28-Jul-25	TEL035
Strontium	47.5	0.1	µg/L	28-Jul-25	TEL035
Thallium	< 0.1	0.1	µg/L	28-Jul-25	TEL035
Tin	0.2	0.1	µg/L	28-Jul-25	TEL035
Titanium	3.0	0.1	µg/L	28-Jul-25	TEL035
Uranium	0.7	0.1	µg/L	28-Jul-25	TEL035
Vanadium	1.6	0.1	µg/L	28-Jul-25	TEL035
Zinc	14.7	0.4	µg/L	28-Jul-25	TEL035

Taiga Batch No.:
251040

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-2**

Taiga Sample ID: 001

- 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

Taiga Environmental Laboratory

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

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

Taiga Batch No.:

251322

- FINAL REPORT -

Prepared For: [Hamlet of Gjoa Haven](#)

Address: [P.O. Box 200](#)

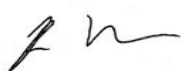
[Gjoa Haven, NU](#)

[X0B 1J0](#)

Attn: [SAO](#)

Facsimile: [\(867\) 360-6309](#)

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.
- [All data provided by the customer will be represented by the blue colour used in this statement.](#)

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-2**

Taiga Sample ID: 001

Client Project: **Water Licence Monitoring**

Sample Type: **Leachate**

Received Date: **29-Aug-25**

Sampling Date: **28-Aug-25**

Sampling Time: **9:30**

Location: **Gjoa Haven, NU**

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Cations by ICP-MS</u>						
Calcium	56.8	0.1	mg/L	08-Sep-25	TEL035	
Hardness	321	0.7	mg/L	08-Sep-25	TEL035	
Magnesium	43.6	0.1	mg/L	08-Sep-25	TEL035	
Potassium	13.4	0.1	mg/L	08-Sep-25	TEL035	
Sodium	34.5	0.1	mg/L	08-Sep-25	TEL035	
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	4.40	0.02	mg/L	16-Sep-25	TEL068	210
Biochemical Oxygen Demand	13	2	mg/L	29-Aug-25	TEL019	246
CBOD	9	2	mg/L	29-Aug-25	TEL019	246
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	222	0.4	mg/L	29-Aug-25	TEL060	
Conductivity, Specific (@25C)	822	0.4	µS/cm	29-Aug-25	TEL059	
pH	7.25		pH units	29-Aug-25	TEL058	
Solids, Total Suspended	11	3	mg/L	05-Sep-25	TEL008	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	2.47	0.01	mg/L	29-Aug-25	TEL055	

ReportDate: Tuesday, September 23, 2025

Print Date: Tuesday, September 23, 2025

Page 2 of 9

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-2**

Taiga Sample ID: 001

Sulphate	131	1	mg/L	29-Aug-25	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal	110000	1000	CFU/100mL	29-Aug-25	TEL017	210
<u>Organics</u>						
Oil and Grease, visible	Non-visible			29-Aug-25	Visual Exam	
<u>Subcontracted Organics</u>						
Phenols, Total	< 0.0010	0.001	mg/L	03-Sep-25	AB ENV.06537	
<u>Trace Metals</u>						
Mercury, Total	2.6	1	ng/L	02-Sep-25	TEL062	
<u>Trace Metals, Total</u>						
Aluminum	17.6	0.6	µg/L	04-Sep-25	TEL035	
Antimony	0.2	0.1	µg/L	04-Sep-25	TEL035	
Arsenic	4.7	0.2	µg/L	04-Sep-25	TEL035	
Barium	11.3	0.1	µg/L	04-Sep-25	TEL035	
Beryllium	< 0.1	0.1	µg/L	04-Sep-25	TEL035	
Cadmium	< 0.04	0.04	µg/L	04-Sep-25	TEL035	
Cesium	< 0.1	0.1	µg/L	04-Sep-25	TEL035	
Chromium	0.2	0.1	µg/L	04-Sep-25	TEL035	
Cobalt	1.4	0.1	µg/L	04-Sep-25	TEL035	
Copper	3.9	0.2	µg/L	04-Sep-25	TEL035	
Iron	1540	5	µg/L	04-Sep-25	TEL035	
Lead	0.2	0.1	µg/L	04-Sep-25	TEL035	
Lithium	3.7	0.2	µg/L	04-Sep-25	TEL035	
Manganese	229	0.1	µg/L	04-Sep-25	TEL035	
Molybdenum	3.0	0.1	µg/L	04-Sep-25	TEL035	
Nickel	3.6	0.1	µg/L	04-Sep-25	TEL035	

ReportDate: Tuesday, September 23, 2025

Page 3 of 9

Print Date: Tuesday, September 23, 2025

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-2**

Taiga Sample ID: 001

Rubidium	6.0	0.1	µg/L	04-Sep-25	TEL035
Selenium	< 0.3	0.3	µg/L	04-Sep-25	TEL035
Silver	< 0.1	0.1	µg/L	04-Sep-25	TEL035
Strontium	52.8	0.1	µg/L	04-Sep-25	TEL035
Thallium	< 0.1	0.1	µg/L	04-Sep-25	TEL035
Titanium	1.3	0.1	µg/L	04-Sep-25	TEL035
Uranium	1.2	0.1	µg/L	04-Sep-25	TEL035
Vanadium	1.7	0.1	µg/L	04-Sep-25	TEL035
Zinc	4.8	0.4	µg/L	04-Sep-25	TEL035

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-4**

Taiga Sample ID: 002

Client Project: Water Licence Monitoring

Sample Type: Sewage Effluent

Received Date: 29-Aug-25

Sampling Date: 28-Aug-25

Sampling Time: 9:00

Location: Gjoa Haven, NU

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Cations by ICP-MS</u>						
Calcium	46.8	0.1	mg/L	08-Sep-25	TEL035	
Hardness	240	0.7	mg/L	08-Sep-25	TEL035	
Magnesium	30.1	0.1	mg/L	08-Sep-25	TEL035	
Potassium	8.4	0.1	mg/L	08-Sep-25	TEL035	
Sodium	27.0	0.1	mg/L	08-Sep-25	TEL035	
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	4.37	0.02	mg/L	16-Sep-25	TEL068	210
Biochemical Oxygen Demand	16	2	mg/L	29-Aug-25	TEL019	246
CBOD	11	2	mg/L	29-Aug-25	TEL019	246
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	191	0.4	mg/L	29-Aug-25	TEL060	
Conductivity, Specific (@25C)	612	0.4	µS/cm	29-Aug-25	TEL059	
pH	7.31		pH units	29-Aug-25	TEL058	
Solids, Total Suspended	9	3	mg/L	05-Sep-25	TEL008	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	1.36	0.01	mg/L	29-Aug-25	TEL055	
Sulphate	60	1	mg/L	29-Aug-25	TEL055	

ReportDate: Tuesday, September 23, 2025

Print Date: Tuesday, September 23, 2025

Page 5 of 9

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-4**

Taiga Sample ID: 002

Microbiology

Coliforms, Fecal	34000	1000	CFU/100mL	29-Aug-25	TEL017	210
------------------	-------	------	-----------	-----------	--------	-----

Organics

Oil and Grease, visible	Non-visible			29-Aug-25	Visual Exam
-------------------------	-------------	--	--	-----------	-------------

Subcontracted Organics

1-methylnaphthalene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510
2-methylnaphthalene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510
Acenaphthene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Acenaphthylene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Acridine	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Anthracene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Benzo(a)anthracene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510
Benzo(a)pyrene	< 0.0050	0.005	ug/L	04-Sep-25	EPA3510
Benzo(b+j+k)fluoranthene	< 0.015	0.015	µg/L	04-Sep-25	EPA3510
Benzo(bj)fluoranthene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Benzo(g,h,i)perylene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Benzo(k)fluoranthene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Chrysene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510
Dibenzo(a,h)anthracene	< 0.0050	0.005	µg/L	04-Sep-25	EPA3510
Fluoranthene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510
Fluorene	< 0.010	0.01	ug/L	04-Sep-25	EPA3510
Indeno(1,2,3-cd)pyrene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510
Naphthalene	< 0.050	0.05	µg/L	04-Sep-25	EPA3510
Phenanthrene	< 0.020	0.02	µg/L	04-Sep-25	EPA3510
Phenols, Total	< 0.0010	0.001	mg/L	03-Sep-25	AB ENV.06537
Pyrene	< 0.010	0.01	µg/L	04-Sep-25	EPA3510

ReportDate: Tuesday, September 23, 2025

Page 6 of 9

Print Date: Tuesday, September 23, 2025

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-4**

Taiga Sample ID: 002

Quinoline	< 0.050	0.05	µg/L	04-Sep-25	EPA3510
<u>Trace Metals</u>					
Mercury, Total	4.5	1	ng/L	02-Sep-25	TEL062
<u>Trace Metals, Total</u>					
Aluminum	26.7	0.6	µg/L	04-Sep-25	TEL035
Antimony	0.2	0.1	µg/L	04-Sep-25	TEL035
Arsenic	3.1	0.2	µg/L	04-Sep-25	TEL035
Barium	13.3	0.1	µg/L	04-Sep-25	TEL035
Beryllium	< 0.1	0.1	µg/L	04-Sep-25	TEL035
Cadmium	< 0.04	0.04	µg/L	04-Sep-25	TEL035
Cesium	< 0.1	0.1	µg/L	04-Sep-25	TEL035
Chromium	0.2	0.1	µg/L	04-Sep-25	TEL035
Cobalt	1.0	0.1	µg/L	04-Sep-25	TEL035
Copper	5.4	0.2	µg/L	04-Sep-25	TEL035
Iron	1070	5	µg/L	04-Sep-25	TEL035
Lead	0.4	0.1	µg/L	04-Sep-25	TEL035
Lithium	3.0	0.2	µg/L	04-Sep-25	TEL035
Manganese	115	0.1	µg/L	04-Sep-25	TEL035
Molybdenum	1.8	0.1	µg/L	04-Sep-25	TEL035
Nickel	2.6	0.1	µg/L	04-Sep-25	TEL035
Rubidium	4.0	0.1	µg/L	04-Sep-25	TEL035
Selenium	0.4	0.3	µg/L	04-Sep-25	TEL035
Silver	< 0.1	0.1	µg/L	04-Sep-25	TEL035
Strontium	41.8	0.1	µg/L	04-Sep-25	TEL035
Thallium	< 0.1	0.1	µg/L	04-Sep-25	TEL035
Titanium	1.9	0.1	µg/L	04-Sep-25	TEL035

ReportDate: Tuesday, September 23, 2025

Page 7 of 9

Print Date: Tuesday, September 23, 2025

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: GJO-4

Taiga Sample ID: 002

Uranium	0.5	0.1	µg/L	04-Sep-25	TEL035
Vanadium	1.3	0.1	µg/L	04-Sep-25	TEL035
Zinc	6.3	0.4	µg/L	04-Sep-25	TEL035

Taiga Batch No.:
251322

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **GJO-4**

Taiga Sample ID: 002

- DATA QUALIFIERS -

Data Qualifier Descriptions:

210 *Detection limit adjusted for required dilution.*
246 *pH adjusted before analysis*

*** 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

**2025 ANNUAL REPORT
FOR THE MUNICIPALITY OF GJOA HAVEN**

Appendix C: Gjoa Haven 2025 Sampling Summary

		GJO-2		GJO-4
Parameter	Unit	July 22	August 28	August 28
BOD ₅	mg/L	-	-	-
BOD	mg/L	36	13	16
CBOD	mg/L	31	9	11
TSS	mg/L	12	11	9
Fecal Coliforms	CFU/100mL	7600	110000	34000
pH	pH	7.29	7.25	7.31
Conductivity	µS/cm	803	822	612
Ammonia Nitrogen	mg/L	10.3	4.40	4.37
Nitrate-Nitrite	mg/L	0.78	2.47	1.36
Oil and Grease	Visibility	Non-visible	Non-Visible	Non-Visible
Total Phenols	mg/L	0.0761	<0.0010	< 0.0010
Sulphate	mg/L	87	131	60
Magnesium	mg/L	36.5	43.6	30.1
Calcium	mg/L	48.4	56.8	46.8
Sodium	mg/L	41.9	34.5	27.0
Potassium	mg/L	12.0	13.4	8.4
Total Arsenic	µg/L	3.6	4.7	3.1
Total Cadmium	µg/L	<0.04	<0.04	<0.04
Total Copper	µg/L	22.9	3.9	5.4
Total Chromium	µg/L	0.4	0.2	0.2
Total Iron	µg/L	1160	1540	1070
Total Lead	µg/L	0.4	0.2	0.4
Total Mercury	µg/L	7.3	2.6	4.5
Total Nickel	µg/L	2.8	3.6	2.6
Total Zinc	µg/L	14.7	4.8	6.3