



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

**Taiga Batch No.:**  
**170508**

**- FINAL REPORT -**

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**Prepared For:** Hamlet of Ulukhaktok

**Address:** P.O. Box 157  
Ulukhaktok, NT  
X0E 0S0

**Attn:** William Bennett

**Facsimile:** (867) 396-8001

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**Final report has been reviewed and approved by:**

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**Glen Hudy**  
Quality Assurance Officer

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**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:** Monday, July 31, 2017

**Print Date:** *Monday, July 31, 2017*

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## Taiga Environmental Laboratory

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Taiga Batch No.:  
**170508**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **1525-2**

Taiga Sample ID: **001**

Client Project: N7L3-1525

Sample Type: Water

Received Date: 11-Jul-17

Sampling Date: 10-Jul-17

Sampling Time: 10:00

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand	20	2	mg/L	11-Jul-17	SM5210:B	
CBOD	14	2	mg/L	11-Jul-17	SM5210:B	
<b><u>Inorganics - Physicals</u></b>						
pH	7.59		pH units	11-Jul-17	SM4500-H:B	
Solids, Total Suspended	25	3	mg/L	13-Jul-17	SM2540:D	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	23	1	CFU/100mL	11-Jul-17	SM9222:D	
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2.0	mg/L	28-Jul-17	EPA1664A	

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Taiga Batch No.:  
**170508**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **1525-3**

Taiga Sample ID: **002**

Client Project: N7L3-1525

Sample Type: Water

Received Date: 11-Jul-17

Sampling Date: 10-Jul-17

Sampling Time: 10:00

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Physicals</u></b>						
pH	8.82		pH units	11-Jul-17	SM4500-H:B	
Solids, Total Suspended	8	3	mg/L	13-Jul-17	SM2540:D	
<b><u>Trace Metals, Total</u></b>						
Cadmium	< 0.1	0.1	µg/L	19-Jul-17	EPA200.8	
Chromium	0.2	0.1	µg/L	19-Jul-17	EPA200.8	
Cobalt	0.3	0.1	µg/L	19-Jul-17	EPA200.8	
Copper	3.7	0.2	µg/L	19-Jul-17	EPA200.8	
Iron	1890	5	µg/L	19-Jul-17	EPA200.8	
Lead	0.8	0.1	µg/L	19-Jul-17	EPA200.8	
Manganese	92.0	0.1	µg/L	19-Jul-17	EPA200.8	
Mercury	< 0.01	0.01	µg/L	19-Jul-17	EPA200.8	
Nickel	1.2	0.1	µg/L	19-Jul-17	EPA200.8	
Zinc	8.7	5	µg/L	19-Jul-17	EPA200.8	

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Taiga Batch No.:  
**170508**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **1525-5**

Taiga Sample ID: **003**

Client Project: N7L3-1525  
Sample Type: Water  
Received Date: 11-Jul-17  
Sampling Date: 10-Jul-17  
Sampling Time: 10:00

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand	< 2	2	mg/L	11-Jul-17	SM5210:B	
CBOD	< 2	2	mg/L	11-Jul-17	SM5210:B	
<b><u>Inorganics - Physicals</u></b>						
pH	8.10		pH units	11-Jul-17	SM4500-H:B	
Solids, Total Suspended	5	3	mg/L	13-Jul-17	SM2540:D	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	< 1	1	CFU/100mL	11-Jul-17	SM9222:D	
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2.0	mg/L	28-Jul-17	EPA1664A	

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Taiga Batch No.:  
**170508**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **1525-1**

Taiga Sample ID: **004**

Client Project: N7L3-1525

Sample Type: Water

Received Date: 11-Jul-17

Sampling Date: 10-Jul-17

Sampling Time: 10:00

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand	< 2	2	mg/L	11-Jul-17	SM5210:B	
CBOD	< 2	2	mg/L	11-Jul-17	SM5210:B	
<b><u>Inorganics - Physicals</u></b>						
pH	8.27		pH units	11-Jul-17	SM4500-H:B	
Solids, Total Suspended	3	3	mg/L	13-Jul-17	SM2540:D	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	< 1	1	CFU/100mL	11-Jul-17	SM9222:D	
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2.0	mg/L	28-Jul-17	EPA1664A	

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## Taiga Environmental Laboratory

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Taiga Batch No.:

**170508**

### - CERTIFICATE OF ANALYSIS -

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Client Sample ID: **1525-1**

Taiga Sample ID: **004**

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**\* 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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Client Name	Faiga Sample ID	Client Sample	Sample Type	Sample Collect Date	Sample Received	Test Group Name	Lab Section	Parameter Name	Result	Reported Result	Units	LC	Result	Result	Analysis Date	Me
Hamlet of Ulukhaktok	170508-001	1525-2	Water	10-Jul-17	11-Jul-17	BOD	Inorganics - Nutrients	Biochemical Oxygen	20	mg/L	2				11-Jul-17	
Hamlet of Ulukhaktok	170508-001	1525-2	Water	10-Jul-17	11-Jul-17	CBOD	Inorganics - Nutrients	CBOD	14	mg/L	2				11-Jul-17	
Hamlet of Ulukhaktok	170508-001	1525-2	Water	10-Jul-17	11-Jul-17	TSS	Inorganics - Physicals	Solids, Total Suspended	25	mg/L	3				13-Jul-17	
Hamlet of Ulukhaktok	170508-001	1525-2	Water	10-Jul-17	11-Jul-17	pH	Inorganics - Physicals	pH	7.59	pH units					11-Jul-17	
Hamlet of Ulukhaktok	170508-001	1525-2	Water	10-Jul-17	11-Jul-17	FC - CFU	Microbiology	Coliforms, Fecal	23	CFU/100mL	1				11-Jul-17	
Hamlet of Ulukhaktok	170508-001	1525-2	Water	10-Jul-17	11-Jul-17	HEM	Organics	Hexane Extractable	< 2.0	mg/L	2.0				28-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	TSS	Inorganics - Physicals	Solids, Total Suspended	8	mg/L	3				13-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	pH	Inorganics - Physicals	pH	8.82	pH units					11-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Cadmium	< 0.1	µg/L	0.1				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Chromium	0.2	µg/L	0.1				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Cobalt	0.3	µg/L	0.1				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Copper	3.7	µg/L	0.2				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Iron	1890	µg/L	5				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Lead	0.8	µg/L	0.1				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Manganese	92.0	µg/L	0.1				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Mercury	< 0.01	µg/L	0.01				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Nickel	1.2	µg/L	0.1				19-Jul-17	
Hamlet of Ulukhaktok	170508-002	1525-3	Water	10-Jul-17	11-Jul-17	ICPMS3D	Trace Metals, Total	Zinc	8.7	µg/L	5				19-Jul-17	
Hamlet of Ulukhaktok	170508-003	1525-5	Water	10-Jul-17	11-Jul-17	BOD	Inorganics - Nutrients	Biochemical Oxygen	< 2	mg/L	2				11-Jul-17	
Hamlet of Ulukhaktok	170508-003	1525-5	Water	10-Jul-17	11-Jul-17	CBOD	Inorganics - Nutrients	CBOD	< 2	mg/L	2				11-Jul-17	
Hamlet of Ulukhaktok	170508-003	1525-5	Water	10-Jul-17	11-Jul-17	TSS	Inorganics - Physicals	Solids, Total Suspended	5	mg/L	3				13-Jul-17	
Hamlet of Ulukhaktok	170508-003	1525-5	Water	10-Jul-17	11-Jul-17	pH	Inorganics - Physicals	pH	8.10	pH units					11-Jul-17	
Hamlet of Ulukhaktok	170508-003	1525-5	Water	10-Jul-17	11-Jul-17	FC - CFU	Microbiology	Coliforms, Fecal	< 1	CFU/100mL	1				11-Jul-17	
Hamlet of Ulukhaktok	170508-003	1525-5	Water	10-Jul-17	11-Jul-17	HEM	Organics	Hexane Extractable	< 2.0	mg/L	2.0				28-Jul-17	
Hamlet of Ulukhaktok	170508-004	1525-1	Water	10-Jul-17	11-Jul-17	BOD	Inorganics - Nutrients	Biochemical Oxygen	< 2	mg/L	2				11-Jul-17	
Hamlet of Ulukhaktok	170508-004	1525-1	Water	10-Jul-17	11-Jul-17	CBOD	Inorganics - Nutrients	CBOD	< 2	mg/L	2				11-Jul-17	
Hamlet of Ulukhaktok	170508-004	1525-1	Water	10-Jul-17	11-Jul-17	TSS	Inorganics - Physicals	Solids, Total Suspended	3	mg/L	3				13-Jul-17	
Hamlet of Ulukhaktok	170508-004	1525-1	Water	10-Jul-17	11-Jul-17	pH	Inorganics - Physicals	pH	8.27	pH units					11-Jul-17	
Hamlet of Ulukhaktok	170508-004	1525-1	Water	10-Jul-17	11-Jul-17	FC - CFU	Microbiology	Coliforms, Fecal	< 1	CFU/100mL	1				11-Jul-17	
Hamlet of Ulukhaktok	170508-004	1525-1	Water	10-Jul-17	11-Jul-17	HEM	Organics	Hexane Extractable	< 2.0	mg/L	2.0				28-Jul-17	

Test Method	PORT STAT	DL
SM5210:B	Final	2
SM5210:B	Final	2
SM2540:D	Final	3
SM4500-H:B	Final	
SM9222:D	Final	1
EPA1664A	Final	2
SM2540:D	Final	3
SM4500-H:B	Final	
EPA200.8	Final	0.1
EPA200.8	Final	0.1
EPA200.8	Final	0.1
EPA200.8	Final	0.2
EPA200.8	Final	5
EPA200.8	Final	0.1
EPA200.8	Final	0.1
EPA200.8	Final	0.01
EPA200.8	Final	0.1
EPA200.8	Final	5
SM5210:B	Final	2
SM5210:B	Final	2
SM2540:D	Final	3
SM4500-H:B	Final	
SM9222:D	Final	1
EPA1664A	Final	2
SM5210:B	Final	2
SM5210:B	Final	2
SM2540:D	Final	3
SM4500-H:B	Final	
SM9222:D	Final	1
EPA1664A	Final	2