



**Taiga Environmental Laboratory**  
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3  
Tel: (867)-669-2788 Fax: (867)-669-2718

**Taiga Batch No.:**  
**140376**

## **- FINAL REPORT -**

**Prepared For:** Nunavut District Office

**Address:** Box 100  
Iqaluit, NU  
X0A 0H0

**Attn:** Justin Hack

**Facsimile:** (867) 979-6445

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

**Angelique Ruzindana**  
**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) 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.

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Taiga Batch No.:  
**140376**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **MRSY 13b**

Taiga Sample ID: **001**

Client Project: 2AM-MRY1325

Sample Type: Landfill Discharge

Received Date: 24-Jun-14

Sampling Date: 18-Jun-14

Sampling Time: 17:15

Location: Mary River Camp

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Physicals</u></b>						
Solids, Total Suspended	< 3	3	mg/L	25-Jun-14	SM2540:D	
<b><u>Organics</u></b>						
Benzene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
Ethylbenzene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
Hexane Extractable Material	< 2.0	2.0	mg/L	24-Jun-14	EPA1664A	
Hydrocarbons, Total Purgeable	< 0.3	0.3	mg/L	24-Jun-14	EPA8015	
m/p-xylene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
o-xylene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
Toluene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
<b><u>Trace Metals</u></b>						
Aluminum	69.1	5	µg/L	26-Jun-14	EPA200.8	
Antimony	1.3	0.1	µg/L	26-Jun-14	EPA200.8	
Arsenic	< 0.2	0.2	µg/L	26-Jun-14	EPA200.8	
Barium	8.5	0.1	µg/L	26-Jun-14	EPA200.8	

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Client Sample ID: **MRSY 13b**

Taiga Sample ID: **001**

Beryllium	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Cadmium	< 0.10	0.1	µg/L	26-Jun-14	EPA200.8
Cesium	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Chromium	1.5	0.1	µg/L	26-Jun-14	EPA200.8
Cobalt	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Copper	1.2	0.2	µg/L	26-Jun-14	EPA200.8
Iron	105	5	µg/L	26-Jun-14	EPA200.8
Lead	0.3	0.1	µg/L	26-Jun-14	EPA200.8
Lithium	1.8	0.2	µg/L	26-Jun-14	EPA200.8
Manganese	2.2	0.1	µg/L	26-Jun-14	EPA200.8
Molybdenum	1.0	0.1	µg/L	26-Jun-14	EPA200.8
Nickel	4.6	0.1	µg/L	26-Jun-14	EPA200.8
Rubidium	4.3	0.1	µg/L	26-Jun-14	EPA200.8
Selenium	< 0.5	0.5	µg/L	26-Jun-14	EPA200.8
Silver	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Strontium	9.1	0.1	µg/L	26-Jun-14	EPA200.8
Thallium	0.1	0.1	µg/L	26-Jun-14	EPA200.8
Titanium	3.0	0.1	µg/L	26-Jun-14	EPA200.8
Uranium	0.2	0.1	µg/L	26-Jun-14	EPA200.8
Vanadium	0.2	0.1	µg/L	26-Jun-14	EPA200.8
Zinc	< 5.0	5	µg/L	26-Jun-14	EPA200.8

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Taiga Batch No.:

**140376**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **MRSY 13a**

Taiga Sample ID: **002**

**Client Project:**

**Sample Type:** Landfill Discharge

**Received Date:** 24-Jun-14

**Sampling Date:** 18-Jun-14

**Sampling Time:** 17:15

**Location:** Mary River Camp

**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Physicals</u></b>						
Solids, Total Suspended	< 3	3	mg/L	25-Jun-14	SM2540:D	
<b><u>Organics</u></b>						
Benzene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
Ethylbenzene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
Hydrocarbons, Total Purgeable	< 0.3	0.3	mg/L	24-Jun-14	EPA8015	
m/p-xylene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
o-xylene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
Toluene	< 0.005	0.005	mg/L	24-Jun-14	EPA8260B	
<b><u>Trace Metals</u></b>						
Aluminum	109	5	µg/L	26-Jun-14	EPA200.8	
Antimony	1.7	0.1	µg/L	26-Jun-14	EPA200.8	
Arsenic	< 0.2	0.2	µg/L	26-Jun-14	EPA200.8	
Barium	8.1	0.1	µg/L	26-Jun-14	EPA200.8	
Beryllium	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8	
Cadmium	< 0.10	0.1	µg/L	26-Jun-14	EPA200.8	
Cesium	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8	

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### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **MRSY 13a**

Taiga Sample ID: **002**

Chromium	1.2	0.1	µg/L	26-Jun-14	EPA200.8
Cobalt	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Copper	1.9	0.2	µg/L	26-Jun-14	EPA200.8
Iron	181	5	µg/L	26-Jun-14	EPA200.8
Lead	0.4	0.1	µg/L	26-Jun-14	EPA200.8
Lithium	3.3	0.2	µg/L	26-Jun-14	EPA200.8
Manganese	3.5	0.1	µg/L	26-Jun-14	EPA200.8
Molybdenum	1.4	0.1	µg/L	26-Jun-14	EPA200.8
Nickel	4.0	0.1	µg/L	26-Jun-14	EPA200.8
Rubidium	5.3	0.1	µg/L	26-Jun-14	EPA200.8
Selenium	< 0.5	0.5	µg/L	26-Jun-14	EPA200.8
Silver	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Strontium	20.4	0.1	µg/L	26-Jun-14	EPA200.8
Thallium	< 0.1	0.1	µg/L	26-Jun-14	EPA200.8
Titanium	3.8	0.1	µg/L	26-Jun-14	EPA200.8
Uranium	0.5	0.1	µg/L	26-Jun-14	EPA200.8
Vanadium	0.3	0.1	µg/L	26-Jun-14	EPA200.8
Zinc	14.4	5	µg/L	26-Jun-14	EPA200.8

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### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **MS01a**

Taiga Sample ID: **003**

**Client Project:**

**Sample Type:** Sewage Wastewater

**Received Date:** 24-Jun-14

**Sampling Date:** 18-Jun-14

**Sampling Time:** 17:44

**Location:** MS01a

**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.404	0.005	mg/L	26-Jun-14	SM4500-NH3:	
<b><u>Inorganics - Physicals</u></b>						
Solids, Total Suspended	12	3	mg/L	25-Jun-14	SM2540:D	
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2.0	mg/L	24-Jun-14	EPA1664A	

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### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **TB**

Taiga Sample ID: **004**

Client Project:

Sample Type:

Received Date: 24-Jun-14

Sampling Date: 18-Jun-14

Sampling Time:

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	26-Jun-14	SM4500-NH3:	
<b><u>Inorganics - Physicals</u></b>						
Solids, Total Suspended	< 3	3	mg/L	25-Jun-14	SM2540:D	

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**- CERTIFICATE OF ANALYSIS -**

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**Client Sample ID: TB**

**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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