

Municipality of Sanikiluaq ATTN: MOSES NOVALINGA

PO Box 157

Sanikiluag NU X0A 0W0

Date Received: 19-MAR-13

Report Date: 20-MAR-13 11:52 (MT)

Version: FINAL

Client Phone: 867-266-7900

## **Certificate of Analysis**

Lab Work Order #: L1280164

Project P.O. #: NOT SUBMITTED

Job Reference: SANIKILUAQ WTP - DRINKING WATER

C of C Numbers: Legal Site Desc:

CRAIC RIDDELL Account Manager

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ADDRESS: 1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4 Canada | Phone: +1 204 255 9720 | Fax: +1 204 255 9721 ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company



L1280164 CONTD.... PAGE 2 of 3 Version: FINAL

### ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1280164-1 TRUCK NOZZLE (HO-42)							
Sampled By: Kenny on 18-MAR-13 @ 09:54							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		19-MAR-13	R2560316
Escherichia Coli	0		0	MPN/100mL		19-MAR-13	R2560316
L1280164-2 PAATSALIK (JANITOR ROOM)							
Sampled By: Kenny on 18-MAR-13 @ 09:42							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		19-MAR-13	R2560316
Escherichia Coli	0		0	MPN/100mL		19-MAR-13	R2560316
L1280164-3 NUIYAK (HOME EC)							
Sampled By: Kenny on 18-MAR-13 @ 09:33							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		19-MAR-13	R2560316
Escherichia Coli	0		0	MPN/100mL		19-MAR-13	R2560316
L1280164-4 HEALTH CENTRE (PURPLE RM)							
Sampled By: Kenny on 18-MAR-13 @ 09:49							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		19-MAR-13	R2560316
Escherichia Coli	0		0	MPN/100mL		19-MAR-13	R2560316
L1280164-5 HAMLET OFFICE (HALLWAY)							
Sampled By: Kenny on 18-MAR-13 @ 10:05							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		19-MAR-13	R2560316
Escherichia Coli	0		0	MPN/100mL		19-MAR-13	R2560316

<sup>\*</sup> Refer to Referenced Information for Qualifiers (if any) and Methodology.

L1280164 CONTD....

PAGE 3 of 3 Version: FINAL

#### Reference Information

**Test Method References:** 

ALS Test Code Matrix Test Description Method Reference\*\*

TC,EC-QT51-WP Water Total Coliform and E.coli APHA 9223

The analysis of Total Coliform (TC) & Escherichia coli (EC) is processed by Quanti-tray (QT): Two substrates, ONPG for TC detection and MUG for EC detection are used. The substrates are added to the 100 ml sample dispensed into the 51 well tray. The tray is incubated at 35 Celcius for 24 hours. A colour reaction develops to indicate a positive reaction (presence of TC, EC). The number of positive wells are counted and converted to Most Probable Number Units (MPNU) per 100 ml. This test is also called 'rapid MPN method', therefore, the MPN results are derived from a statistical table with a 95% confidence and report as MPN units. The QT detection limit for a negative result is reported as zero.

TC,EC-QT51-WP Water Total Coliform and E.coli APHA 9223 QT

The analysis of Total Coliform (TC) & Escherichia coli (EC) is processed by Quanti-tray (QT): Two substrates, ONPG for TC detection and MUG for EC detection are used. The substrates are added to the 100 ml sample dispensed into the 51 well tray. The tray is incubated at 35 Celcius for 24 hours. A colour reaction develops to indicate a positive reaction (presence of TC, EC). The number of positive wells are counted and converted to Most Probable Number Units (MPNU) per 100 ml. This test is also called 'rapid MPN method', therefore, the MPN results are derived from a statistical table with a 95% confidence and report as MPN units. The QT detection limit for a negative result is reported as zero.

\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

<b>Laboratory Definition Code</b>	Laboratory Location
WP	ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA

#### **Chain of Custody Numbers:**

#### **GLOSSARY OF REPORT TERMS**

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Application requires in unprinced test reports with the DRAFT untermode of the property of the p

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

# ALS) Environmental

#### Chain of Custody / Analytical Request Form Canada Toll Free: 1 800 668 9878 www.alsglobal.com

M280104

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Company   Municipality of SANIKILUAQ (V10375)	Report To	Report Format / Distribution			Service Requested (Rush for routine analysis subject to availability)										
Contact: MOSES NOVALINGA    Prof   Decel   Digits   Digit															
Address: Box 157 Sankidus, NV, XOA 0W6 Sanki															
Senikiuan, NU, XOA 0W0  Fax: 867-266-7900 Fax: 867-266-7924 Email 3: Seniter/Deputing.com  Fax: 7266-7907 Iva															
Plane   867-266-7920   Fax   67-266-7924   Email 3   Contact   67-266-79		<del></del>			<del>_</del>										
Invoice To   Same as Report?   Yes   Ne   Client/ Project Information   Please indicate below Filerco, Preserved or both (F, P, F/P)		<del></del>				Analysis Request									
Hardcopy of Invoice with Report?					Pleas	e indica	te bel	ow Filter	ed, Pres	erved o	r both (F	, P, F/	P)		
Company: (W10375) Contact: LSD: Lab Work Order # 3								Γ							
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