

Municipality of Sanikiluaq ATTN: MOSES NOVALINGA

PO Box 157

Sanikiluag NU X0A 0W0

Date Received: 19-FEB-13

Report Date: 20-FEB-13 15:04 (MT)

Version: FINAL

Client Phone: 867-266-7900

## **Certificate of Analysis**

Lab Work Order #: L1269934

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



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### ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1269934-1 TRUCK NOZZLE - HO - 42							
Sampled By: Moses on 18-FEB-13 @ 11:15							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-FEB-13	R2536833
Escherichia Coli	0		0	MPN/100mL		20-FEB-13	R2536833
L1269934-2 PAATSAALIK SCHOOL - JANITOR'S RI	ФОМ						
Sampled By: Moses on 18-FEB-13 @ 11:05							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-FEB-13	R2536833
Escherichia Coli	0		0	MPN/100mL		20-FEB-13	R2536833
L1269934-3 NUIYAK SCHOOL - GIRL'S WR							
Sampled By: Moses on 18-FEB-13 @ 10:55							
Matrix: Water							
Total Coliform and E.coli						===	
Total Coliforms Escherichia Coli	0		0	MPN/100mL		20-FEB-13 20-FEB-13	R2536833
	0		0	MPN/100mL		20-FED-13	R2536833
L1269934-4 HEALTH CENTER - DENTAL RM Sampled By: Moses on 18-FEB-13 @ 10:40							
Matrix: Water							
Total Coliform and E.coli				MDNIMAG		00 555 40	
Total Coliforms Escherichia Coli	0		0 0	MPN/100mL MPN/100mL		20-FEB-13 20-FEB-13	R2536833 R2536833
L1269934-5 HAMLET OFFICE - MEN'S WR	0			IVIF IN/ TOOTIL		20-FLD-13	K2030033
Sampled By: Moses on 18-FEB-13 @ 11:25							
Matrix: Water							
Total Coliform and E.coli Total Coliforms	0		0	MPN/100mL		20-FEB-13	R2536833
Escherichia Coli	0		0	MPN/100mL		20-FEB-13	R2536833
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<sup>\*</sup> Refer to Referenced Information for Qualifiers (if any) and Methodology.

L1269934 CONTD....

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#### 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.

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

# ALS Environmenta



Sustody / Analytical Request Form ida Toll Free: 1 800 668 9878

www.alsglobal.com

L1269934

COC#		
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Report To	L1269934-COFC Distribution			Service Requested (Rush for routine analysis subject to availability)										
Company:	Municipality of SANIKILU	Other			Regular (Standard Turnaround Times - Business Days)									
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Address:	Box 157	Email 1:	sanisao@qiniq.	com		O Emerg	ency (1-2	Bus. Da	ys) - 100%	Surcha	rge - Contac	t ALS to C	onfirm TAT	Г
	Sanikiluaq, NU, X0A 0W0	Email 2:	sanirec@giniq.g	com		O Same	Day or W	eekend E	mergency	- Contac	t ALS to Co	nfirm TAT		
Phone:	867-266-7900 Fax: 867-266-7924	Email 3: cvanlankveld1@gov.nu.ca			Analysis Request									
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(lat	use only)	Contact:		Sampler:	INSES	EC-QT51-WF	ROU4W+MET-T-WP	COLOUR-TRUE-WP						Number of Containers
Sample	Sample Identification		Date	Time		힒	14	립						ber
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