

Municipality of Sanikiluaq ATTN: KENNY PEARCE

PO Box 157

Sanikiluag NU X0A 0W0

Date Received: 23-MAY-13

Report Date: 24-MAY-13 15:48 (MT)

Version: FINAL

Client Phone: 867-266-7900

# **Certificate of Analysis**

Lab Work Order #: L1305592

Project P.O. #: NOT SUBMITTED

Job Reference: SANIKILUAQ WTP - DRINKING WATER

C of C Numbers: Legal Site Desc:

Craig 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
L1305592-1 TRUCK NOZZLE - HO-42							
Sampled By: Kenny on 22-MAY-13 @ 11:43							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		23-MAY-13	R2615767
Escherichia Coli	0		0	MPN/100mL		23-MAY-13	R2615767
L1305592-2 PAATSALIK - JANITORS RM							
Sampled By: Kenny on 22-MAY-13 @ 11:32							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		23-MAY-13	R2615767
Escherichia Coli	0		0	MPN/100mL		23-MAY-13	R2615767
L1305592-3 NUIYAK - STAFF RM							
Sampled By: Kenny on 22-MAY-13 @ 11:25							
Matrix: Water							
Total Coliform and E.coli			•	MDN/400 and		00 MAY 40	D0045707
Total Coliforms Escherichia Coli	0		0	MPN/100mL MPN/100mL		23-MAY-13 23-MAY-13	R2615767
	0		0	IVIPIN/TOUTIL		23-IVIA 1-13	R2615767
L1305592-4 HEALTH CENTRE - XRAY RM Sampled By: Kenny on 22-MAY-13 @ 11:15							
Matrix: Water							
Total California and E cali							
Total Coliform and E.coli Total Coliforms	0		0	MPN/100mL		23-MAY-13	R2615767
Escherichia Coli	0		0	MPN/100mL		23-MAY-13	R2615767
L1305592-5 HAMLET OFFICE - MENS RM							
Sampled By: Kenny on 22-MAY-13 @ 11:37							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		23-MAY-13	R2615767
Escherichia Coli	0		0	MPN/100mL		23-MAY-13	R2615767

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

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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.





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Contact ALS to Confirm TAT

Report To				Rei	L1305592-COFC				Service Requested (Rush for routine analysis subject to availability)										
Company: Municipality of SANIKILUAQ (W10375)				☑:		Regular (Standard Turnaround Times - Business Days)  Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT													
Contact:	-MOSES-NOVALING	BA Kenny	Pearce	✓ PDF	☐ Excel	☐ Digital	O Pri	iority (2-4	1 Buşi	ness Day	s) - 50%	Surchar	ge - Co	ntact ALS	to Confi	m TAT			
Address:	Box 157			Email 1:	sanisao@qiniq.		Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT												
	Sanikiluaq, NU, X0/	A 0W0		Email 2:	2: Assistant Foreman Qqiniq. CoM_				Same Day or Weekend Emergency - Contact ALS to Confirm TAT										
Phone:	867-266-7900	Fax: 8	67-266-7924	Email 3:	3: cvanlankveld1@gov.nu.ca				Analysis Request  Please indicate below Filtered, Preserved or both (F, P, F/P)										
Invoice To	Same as Report?	Yes	☐ No	Client /	nt / Project Information				ase ind	icate	below	Filtere	d, Pres	served	or bot	h (F, P,	F/P)		
Hardcopy of	Invoice with Report?	Yes	No	Job #:	ob#: SANIKILUAQ WTP - DRINKING WATER														
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