

Municipality of Sanikiluaq ATTN: MOSES NOVALINGA

PO Box 157

Sanikiluag NU X0A 0W0

Date Received: 11-JAN-13

Report Date: 14-JAN-13 08:03 (MT)

Version: FINAL

Client Phone: 867-266-7900

Certificate of Analysis

Lab Work Order #: L1257223

Project P.O. #: NOT SUBMITTED

Job Reference: SANIKILUAQ WTP

C of C Numbers: Legal Site Desc:

Paul Nicolas Account Manager

Paul Necolas

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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
L1257223-1 1 - TRUCK NOZZLE							
Sampled By: MOSES on 11-JAN-13 @ 09:30							
Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		12-JAN-13	R2508487
Escherichia Coli	0		0	MPN/100mL		12-JAN-13	R2508487
L1257223-2 2 - PAATSALIK SCHOOL							
Sampled By: MOSES on 11-JAN-13 @ 09:20 Matrix: WATER							
Total Coliform and E.coli Total Coliforms	0		0	MPN/100mL		12-JAN-13	R2508487
Escherichia Coli	0 0		0 0	MPN/100mL		12-JAN-13 12-JAN-13	R2508487
L1257223-3 3 - NUIJAK SCHOOL	· ·			1411 147 1001112		12 07 11 10	112000407
Sampled By: MOSES on 11-JAN-13 @ 09:10							
Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		12-JAN-13	R2508487
Escherichia Coli	0		0	MPN/100mL		12-JAN-13	R2508487
L1257223-4 4 - HEALTH CENTER							
Sampled By: MOSES on 11-JAN-13 @ 08:45							
Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		12-JAN-13	R2508487
Escherichia Coli	0		0	MPN/100mL		12-JAN-13	R2508487
L1257223-5 5 - HAMLET OFFICE							
Sampled By: MOSES on 11-JAN-13 @ 09:40							
Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		12-JAN-13	R2508487
Escherichia Coli	0		0	MPN/100mL		12-JAN-13	R2508487

^{*} Refer to Referenced Information for Qualifiers (if any) and Methodology.

SANIKILUAQ WTP L1257223 CONTD....

Reference Information

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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:

Laboratory Definition Code	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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Report To	Re _k					Service Requested (Rush for routine analysis subject to availability)											
	Municipality of SANIKILUAQ (W10375)	☑ Standard ☐ Other				Regular (Standard Turnaround Times - Business Days)											
Contact:	MOSES NOVALINGA	☑ PDF ☐ Excel ☐ Digital ☑ Fax				O Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT											
Address:	Box 157	Email 1: sanisao@giniq.com				O Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT											
	Sanikiluaq, NU, X0A 0W0	Email 2: sanirec@qiniq.com				O San	O Same Day or Weekend Emergency - Contact ALS to Confirm TAT										
Phone:	867-266-7900 Fax: 867-266-7924	Email 3: cvanlankveld1@gov.nu.ca				Analysis Request											
Invoice To	ce To Same as Report? Yes No Client / Pro					Please indicate below Filtered, Preserved or both (F, P, F/P)											
Hardcopy of Invoice with Report? Yes No Job #:			bb#: SANIKILUAQ WTP - DRINKING WATER						<u> </u>	1							
Company:	(W10375)	PO / AFE:					'	(chem)									
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Sample	Sample Identification (This description will concert on the conert)		Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	TC,EC		007							dma		
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	3) NUITAK SCHOOL		11-01-13	9:10 AM	STAFF RM									_			
	4) HEALTH CENTRE		11-01-13	8:45 AM	HOLDING ROOM												
	5) HAMLET OFFICE	·	11-01-13	1													
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