

Municipality of Sanikiluaq ATTN: MOSES NOVALINGA

PO Box 157

Sanikiluag NU X0A 0W0

Date Received: 19-DEC-12

Report Date: 20-DEC-12 15:22 (MT)

Version: FINAL

Client Phone: 867-266-7900

Certificate of Analysis

Lab Work Order #: L1251298

Project P.O. #: NOT SUBMITTED

Job Reference: SANIKILUAQ WTP

C of C Numbers: Legal Site Desc:

CRAIC RIDDELL Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

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



L1251298 CONTD.... PAGE 2 of 3 Version: FINAL

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1251298-1 1) TRUCK NOZZLE - HO-46							
Sampled By: MOSES on 18-DEC-12 @ 11:05							
Matrix: DRINKING WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-DEC-12	R2500729
Escherichia Coli	0		0	MPN/100mL		20-DEC-12	R2500729
L1251298-2 2) PAATSALIK SCHOOL - JANITOR'S R	M						
Sampled By: MOSES on 18-DEC-12 @ 10:56							
Matrix: DRINKING WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-DEC-12	R2500729
Escherichia Coli	0		0	MPN/100mL		20-DEC-12	R2500729
L1251298-3 3) NUIJAK SCHOOL - STAFF ROOM							
Sampled By: MOSES on 18-DEC-12 @ 10:48							
Matrix: DRINKING WATER							
Total Coliform and E.coli			•	MDN/400 ml		00 050 40	Doctorio de la companya della companya della companya de la companya de la companya della compan
Total Coliforms Escherichia Coli	0		0 0	MPN/100mL MPN/100mL		20-DEC-12 20-DEC-12	R2500729 R2500729
L1251298-4 4) HEALTH CENTER - KITCHEN	0		0	IVIF IN/ TOOTIL		20-010-12	K2500729
Sampled By: MOSES on 18-DEC-12 @ 10:38							
Matrix: DRINKING WATER							
Total Coliform and E.coli Total Coliforms	0		0	MPN/100mL		20-DEC-12	R2500729
Escherichia Coli	0		0	MPN/100mL		20-DEC-12 20-DEC-12	R2500729
L1251298-5 5) HAMELET OFFICE - WASHROOM							11200120
Sampled By: MOSES on 18-DEC-12 @ 11:25							
Matrix: DRINKING WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-DEC-12	R2500729
Escherichia Coli	0		0	MPN/100mL		20-DEC-12	R2500729
	I.	1		1		1	

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

SANIKILUAQ WTP L1251298 CONTD....

Reference Information

PAGE 3 of 3 Version: FINAL

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.

N COMMENT	Penuest Form
	[[] [] [] [] [] [] [] []
177.19	Panuest Form

 \mathbf{C}_1

COC#	112512/8
------	----------

	2 400 1
Page	of

Report To Repo					Service Requested (Rush for routine analysis subject to availability)											
Company:	unicipality of SANIKILUAQ (W10375)			Regular (Standard Turnaround Times - Business Days)												
Contact:	MOSES NOVALINGA	☑ PDF ☐ Excel ☐ Digital ☐				O Pr	Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT									
Address:	Box 157	Email 1: sanisao@ginig.com			○ Er	Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT										
_	Sanikiluaq, NU, X0A 0W0	3011100(0,011110					Same Day or Weekend Emergency - Contact ALS to Confirm TAT									
Phone:	867-266-7900 Fax: 867-266-7924	Email 3: cvanlankveld1@gov.nu.ca								Ana	lysis	Reque	st			
	ice To Same as Report ? Yes No Client / Project Information					Ple	ase inc	dicate	e belo	w Filter	ed, Pr	eserve	d or bo	oth (F,	P, F/P)	
Hardcopy of I	nvoice with Report? Yes No	Job#: SANIKILUAQ WTP - DRINKING WATER]
Company: (W10375)			PO / AFE:					(E)]
Contact:		LSD:			1		(chem)									
Address:						1		ِ چ	₽							lers
Phone:	Fax:	Quote #:				1 ₽					İ					lai l
U Lab W	/ork Order # 1000 1000 1000 1000 1000 1000 1000 1	ALS				TC,EC-QT51-WP		ROU4W+MET-T-WP	COLOUR-TRUE-WF						1	Number of Containers
(lab	use only)	Contact: Sampler: 105ES			Ď		≥ 	<u>~</u>]						ğ	
Sample **	Sample Identification		Date	Time	l .	ပ္ထု		₹	힠				1			<u> </u>
#	(This description will appear on the report)		(dd-mmm-yy)	(hh:mm)	Sample Type	TC,		ջ	S							N S
	1) TRUCK NOZZLE		17-12-12	11:05 AM	HO-46											Ί
450	2) PANTSALIK SCHOOL		4 H 4		JANITOR'S RM											
*	3) NUITAK SCHOOL		14 14 17		SMIF ROOM				•					•		
Sasa safegg	4) HEALTH CENTRE		pe se se	1	KITCHEN											
	5) HAMLET OFFICE	·	4 4 4		WASHROOM						1	1				1
· · · · · · · · · · · · · · · · · · ·	7,7,7,1=0,7,7,30			11.23 11.11	NASPIN CONT				-			 				1
					<u> </u>							 -			-	+
1800										<u> </u>					_	 .
				··			-				+	+		+	-	
· *			<u> </u>							 		1			+-	+
All San				1					_						-	1
										-	\top	 		-		+
	Special Instructions / Regulations with water or land	use (CCM	E-Freshwater A	quatic Life/BC	CSR - Commerci	al/AB	Tier 1	l - Na	aturai	, etc) /	Hazar	dous [Details	, <u> </u>	<u>l</u>	ــــــــــــــــــــــــــــــــــــــ
										<u>-</u>					_	
	Failure to complete all		-	• •						. .						
٨	By the use of this form the user acknown Also provided on another Excel tab are the ALS location											ommo	n anal	vses		
	SHIPMENT RELEASE (client use)		MENT RECEPTION			si vali	: 0	_		NT VE						
Released by:	Date (dd-mmm-yy) Time (hh-mm) Received		Date:	Time:	Temperature:	Verit	fied by			Date:	NIFICA	Time	`	Ŏ	bservat	
-		-	190012	12.50	🤣 ∘c									1 ' '	es / No Yes ad	
			110-11			L									.01 From	