

Municipality of Sanikiluaq ATTN: KENNY PEARCE

PO Box 157

Sanikiluag NU X0A 0W0

Date Received: 20-AUG-13

Report Date: 21-AUG-13 13:38 (MT)

Version: FINAL

Client Phone: 867-266-7900

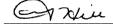
Certificate of Analysis

Lab Work Order #: L1350232

Project P.O. #: NOT SUBMITTED

Job Reference: SANIKILUAQ WTP - DRINKING WATER

C of C Numbers: Legal Site Desc:



Gail Hill 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



L1350232 CONTD.... PAGE 2 of 3 Version: FINAL

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1350232-1 TRUCK NOZZLE							
Sampled By: Kenny on 19-AUG-13 @ 11:51							
Matrix: Ho-42							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-AUG-13	R2676555
Escherichia Coli	0		0	MPN/100mL		20-AUG-13	R2676555
L1350232-2 NURSING STATION							
Sampled By: Kenny on 19-AUG-13 @ 11:40							
Matrix: Staff RM							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-AUG-13	R2676555
Escherichia Coli	0		0	MPN/100mL		20-AUG-13	R2676555
L1350232-3 HAMLET OFFICE							
Sampled By: Kenny on 19-AUG-13 @ 11:30							
Matrix: Hallway							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		20-AUG-13	R2676555
Escherichia Coli	0		0	MPN/100mL		20-AUG-13	R2676555

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

L1350232 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:

 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.





Form

COC#		
	Page	

Report To					350232-COF	,		Service	e Reque	sted (Ru	sh (or rou	tine analy:	sis subject	to availab.			
Company:	Municipality of SANIKI	LUAO (W	10375)	ーーー ・「ピ」Stangaro	∟J ∪mer												
Contact:	MOSES NOVALINGA			✓ PDF	Excel	Regular (Standard Turnaround Times - Business Days) Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT											
Address:	Box 157	—реоди	Pearce	Email 1:					Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT								
	Sanikiluaq, NU, X0A 0	W0						Same Day or Weekend Emergency - Contact ALS to Confirm TAT									
Phone:	867-266-7900		867-266-7924						Analysis Request								
Invoice To	Same as Report ?	Yes	☐ No		Client / Project Information				Please indicate below Filtered, Preserved or both (F, P, F/P)								
	Invoice with Report?	Yes	□ No	Job#:] [
Company:	(W10375)			PO / AFE:					Ê								
Contact:				LSD:		· · · · · · · · · · · · · · · · · · ·	·		<u> </u>						1		
Address:						-		1	e	<u> </u>					lers		
Phone:		Fax:		Quote #:				1 9	}	<u> - </u>		1			Containers		
	Nork Order #	- 20 ASS		ALS				1 2		22					8		
ilal	b use only)	e military in the		Contact:		Sampler:	04	C-QT51-WP	ROU4W+MET-T-WP (chem)	UR-T					per of		
Sample .		Sample 1	Identification		Date	Time	Sample Type	<u> </u>	Ž	COLOU					Number		
# #			ill appear on the	report)	(dd-mmm-yy)	(hh:mm)	,,,	ξ.	, č	Ŏ			1	\dashv	_ Z		
# #	1) Touch A	1022 e			19-08-2013	1/51 AM	Ho-42										
	2) 1/11/5 - 5	م عنا ما		1		11:40 Au	ALT RV										
	1) Truck A 2) Nursing S 3) Hamlet OFF.	(<i>e</i>				//:40 Au //:30 Au	Hallway										
缠	4)						/		ļ	`							
	5)						-										
## S							-		_								
Age .							ļ	-		-			+ +-				
N					- <u></u>			 									
); (c)																
3																	
					\			1									
				<u> </u>		<u> </u>		1-		-			1- 1-				
José – Liberto							 						+		+		
Talifica					<u> </u>								Detaile				
· 	Special Instruct	ions / Regu	lations with wa	ater or land use (CCM	E-Freshwater A	quatic Life/BC	CSR - Commer	cial/AB	lier 1 - I	Naturai,	etc) / Ha	zardous					
															- 1		
	<u> </u>		Egiluro to an	mplete all portions o	f this form may	dalay analysis	Please fill in t	his form	I FGIB	LY.							
	B	v the use o	railule to co f this form the	implete all portions o user acknowledges a	nd agrees with	delay analysis the Terms and	. Please III III t I Conditions as	provide	d on a s	eparate	Excel ta	ab.					
	Also provided on an	other Exce	I tab are the AL	S location addresses	s, phone numbe	rs and sample	container / pre	servatio	n / hold	ling tim	e table fo	or comm	on analy	/ses.			
N. C. W. et	SHIPMENT/RELEASE			SHIP					ge, S	HIPMEN	IT, VERIF	FICATIO	Ŋ (lab us	e only) 🍇	\$377		
Released by			Time (hh-mm)	Received by:	Date:	Time:	Temperature:		ed by:	Ī	Date:	Ti	me:	I	rvations:		
				- -(<	20/8/2013	12:00pm	8 %							Yes /			
							0	۷	<u> </u>					FNE 19.01	add SIF		