

Nunavut - Community & Government Services

- Rankin Inlet

ATTN: BLAINE CHISLETT

PO Box 490

Rankin Inlet NU X0C 0G0

Date Received: 15-NOV-13

Report Date: 19-NOV-13 10:22 (MT)

Version: FINAL

Client Phone: 867-645-8172

Certificate of Analysis

Lab Work Order #: L1392441

Project P.O. #:

NOT SUBMITTED

Job Reference:

RANKIN INLET, NU

C of C Numbers: Legal Site Desc:

Chantal Bouchard

Chantal Bouchard 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



L1392441 CONTD.... PAGE 2 of 3 Version: FINAL

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1392441-1 TOWN SUPPLY Sampled By: CLIENT on 14-NOV-13 @ 08:30							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms Escherichia Coli	0		0 0	MPN/100mL MPN/100mL		15-NOV-13 15-NOV-13	R2742928 R2742928
L1392441-2 OLD TOWN							
Sampled By: CLIENT on 14-NOV-13 @ 08:30 Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		15-NOV-13	R2742928
Escherichia Coli	0		0	MPN/100mL		15-NOV-13	R2742928
L1392441-3 NEW TOWN							
Sampled By: CLIENT on 14-NOV-13 @ 08:30 Matrix: Water							
Total Coliform and E.coli							
Total Coliforms Escherichia Coli	0		0	MPN/100mL MPN/100mL		15-NOV-13 15-NOV-13	R2742928 R2742928
L1392441-4 NUVUK	0		0	IVIPIN/ TOUTIL		13-110-13	K2142920
Sampled By: CLIENT on 14-NOV-13 @ 08:30							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms Escherichia Coli	0 0		0 0	MPN/100mL MPN/100mL		15-NOV-13 15-NOV-13	R2742928 R2742928
L1392441-5 AREA 5	0			IVII TV TOOME		10110110	1127 42320
Sampled By: CLIENT on 14-NOV-13 @ 08:30							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms Escherichia Coli	0		0	MPN/100mL MPN/100mL		15-NOV-13 15-NOV-13	R2742928 R2742928
L1392441-6 KIVALLIQ	0		0	IVIPIN/ TOUTIL		15-11001-13	R2142920
Sampled By: CLIENT on 14-NOV-13 @ 08:30							
Matrix: Water							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		15-NOV-13	R2742928
Escherichia Coli	0		0	MPN/100mL		15-NOV-13	R2742928

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

RANKIN INLET, NU L1392441 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.



L1392441-COFC

COC#	L1392441	

Page ____of ___

			Inchoir :	Report				Service Requested (Rush for routine analysis subject to availability)								
Company: Cor	mmunity and Government Service	ces (W8133)						Regular (Standard Turnaround Times - Business Days)								
Contact: BLA	AINE CHISLETT		☑ PDF	☑ PDF ☐ Excel ☐ Digital ☑ Fax				O Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT								
Address: Box	x 490		Email 1:	Email 1: bchislett@gov.nu.ca				O Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT								
Rar	nkin Inlet, NU, X0C 0G0		Email 2:					Same Day or Weekend Ernergency - Contact ALS to Confirm TAT								
Phone: (86)	67) 645-8172 Fax:	(007) 045-0190	Email 3:	Email 3:				Analysis Request								
Invoice To San	me as Report? 🗹 Yes	☐ No	Client / Pr	Client / Project Information				ndicate b	elow Filte	red, Pre	served o	r both (F	, P, F/P	")		
Hardcopy of Invoi	ice with Report? Yes	□ No	Job #:													
Company: (W8	8133)		PO / AFE:	PO / AFE:												
Contact:			LSD:	LSD:]	[ļ		l l				
Address:							<u>_</u>					i l		ĕ		
Phone:	Fax:	•	Quote #:	Quote #:										jaj		
Lab Work	•		ALS Contact:	ALS Paul Nicolas Sampler			IS1,HPC-WP							Number of Containers		
(lab use			The state of the s	1	<u> </u>		EC-0151					1		ğ		
Sample #	Sample Identification (This description will appear on the report)			Date (dd-mmm-yy)	Time (hħ:mm)	Sample Type	TC,EC							N C		
· 1 · 1	Town Supply	Lanhy	n Inlat	141113	830n											
2 (Old Town	4	- 4	a	a						[
3 /	Ven Town	а		a .	a											
4	Alauc H	a	4	4	v									i		
5	AREA 5 " "		4	а												
6	Kircllin	ιį	G	a.	а											
建 地 200																
											_					
P. P. CARRA																
ind i												\perp				
	<u> </u>					<u></u>										
	Special Instructions / Regula	ations with wa	ter or land use (CCM	E-Freshwater A	quatic Life/BC	CSR - Commerc	ial/AB Tier	1 - Natu	ral, etc) /	Hazard	ous Det	ails				
				<u>" </u>	•											
		Failure to con	nplete all portions of	this form may	delay analysis	Please fill in th	is form I F	GIRI Y				_				
Ale		this form the u	iser acknowledges a	nd agrees with	the Terms and	Conditions as p	rovided o	n a sepa				nalvese				
	so provided on another Excel	tab are the AL	S location addresses				ervation /							La condition		
Released by:	Date (dd-mmm-yy)		Received by:	Date:	Time:	Temperature:	Verified b	·	Date:	- IOA	Time:			ations:		
	Sect (oc-miningy)	(in there		15/1/2013	3:3000	7.9 °C		'1'				,	Yes / N			