



Nunavut - Community & Government Services
- Rankin Inlet
ATTN: PAUL VOISEY
P.O. Box 490
Rankin Inlet NU X0C 0G0

Date Received: 13-AUG-13
Report Date: 14-AUG-13 15:10 (MT)
Version: FINAL

Client Phone: 867-645-8158

Certificate of Analysis

Lab Work Order #: L1346899
Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers:
Legal Site Desc:



Chantal Bouchard
Account Manager

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ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1346899-1 WHALE COVE - SCHOOL TREATED Sampled By: PAUL VOISEY on 12-AUG-13 @ 09:33 Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		13-AUG-13	R2672130
Escherichia Coli	0		0	MPN/100mL		13-AUG-13	R2672130
L1346899-2 WHALE COVE - HAMLET OFFICE TREATED Sampled By: PAUL VOISEY on 12-AUG-13 @ 09:40 Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		13-AUG-13	R2672130
Escherichia Coli	0		0	MPN/100mL		13-AUG-13	R2672130
L1346899-3 WHALE COVE - HEALTH CENTER TREATED Sampled By: PAUL VOISEY on 12-AUG-13 @ 10:47 Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		13-AUG-13	R2672130
Escherichia Coli	0		0	MPN/100mL		13-AUG-13	R2672130
L1346899-4 WHALE COVE - HOTEL TREATED Sampled By: PAUL VOISEY on 12-AUG-13 @ 09:56 Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	0		0	MPN/100mL		13-AUG-13	R2672130
Escherichia Coli	0		0	MPN/100mL		13-AUG-13	R2672130
L1346899-5 WHALE COVE - WATER TRUCK TREATED Sampled By: PAUL VOISEY on 12-AUG-13 @ 10:30 Matrix: WATER							
Total Coliform and E.coli							
Total Coliforms	25		0	MPN/100mL		13-AUG-13	R2672130
Escherichia Coli	0		0	MPN/100mL		13-AUG-13	R2672130

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

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 ww - 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.

The above results relate only to the sample tested. This water sample was only tested for the presence of both Total Coliform and *E. coli* bacterial indicators of contamination by using membrane filtration.

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