



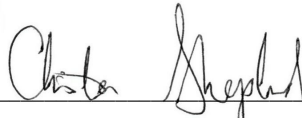
Rainy River District School Board
ATTN: Travis Enge
Sturgeon Creek School
522 2ND ST EAST
FORT FRANCES ON P9A 1N4

Date Received: 09-JAN-18
Report Date: 12-JAN-18 12:59 (MT)
Version: FINAL

Client Phone: 807-275-6762

Certificate of Analysis

Lab Work Order #: L2042792
Project P.O. #: NOT SUBMITTED
Job Reference: 260009841
C of C Numbers:
Legal Site Desc:



Christina Shepherd
Account Manager

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ANALYTICAL GUIDELINE REPORT

260009841

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits							
Grouping	Analyte						#1	#2						
L2042792-1	-D1 DISTRIBUTED ROOM 12 KINDERGARTEN													
Sampled By: CHARLES DESCHAMPS on 08-JA														
Matrix: Distribution														
Bacteriological Tests														
Escherichia Coli		0		0	MPN/100m L	09-JAN-18	0							
Heterotrophic Plate Count		1		0	CFU/mL	09-JAN-18								
Total Coliforms		0		0	MPN/100m L	09-JAN-18	0							
L2042792-2	-R1 RAW MECH ROOM													
Sampled By: CHARLES DESCHAMPS on 08-JA														
Matrix: Raw Water														
Bacteriological Tests														
Escherichia Coli		0		0	MPN/100m L	09-JAN-18	0							
Total Coliforms		0		0	MPN/100m L	09-JAN-18	0							

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Drinking Water Regulation (ODWQS) JAN.1,2017 = [Suite] - ON-DW-STANDARD+GUIDELINES

#1: Schedule 1 (Microbiological) and 2 (Chemical) Standards (JAN,2017)

#2: Ontario DW Aesthetic and Operational Guidelines

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference***
HPC-PP-TB	Water	Heterotrophic Plate Count by Pour Plate	APHA 9215B (modified)
Heterotrophic Plate Count in aqueous matrices are analyzed using aerobic incubation and pour plate method and incubated for 48 hours.			
HPC-PP-TB	Water	Heterotrophic Plate Count by Pour Plate	APHA 9215D (modified)
Heterotrophic Plate Count in aqueous matrices are analyzed using aerobic incubation and pour plate method and incubated for 48 hours.			
TC,EC-QT51-TB	Water	Total Coliform and E.coli	APHA 9223 B

This analysis is carried out using procedures adapted from APHA Method 9223 "Enzyme Substrate Coliform Test". E. coli and Total Coliform are determined simultaneously. The sample is mixed with a mixture of hydrolyzable substrates and then sealed in a multi-well packet. The packet is incubated for 18 or 24 hours and then the number of wells exhibiting a positive response are counted. The final result is obtained by comparing the positive responses to a probability table.

TC,EC-QT97-TB	Water	Total Coliform and E.coli	APHA 9223 B
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This analysis is carried out using procedures adapted from APHA Method 9223 "Enzyme Substrate Coliform Test". E. coli and Total Coliform are determined simultaneously. The sample is mixed with a mixture of hydrolyzable substrates and then sealed in a multi-well packet. The packet is incubated for 18 or 24 hours and then the number of wells exhibiting a positive response are counted. The final result is obtained by comparing the positive responses to a probability table.

*** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

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	Laboratory Definition Code	Laboratory Location
TB	ALS ENVIRONMENTAL - THUNDER BAY, ONTARIO, CANADA		

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.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.



Quality Control Report

Workorder: L2042792

Report Date: 12-JAN-18

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Client: Rainy River District School Board
 Sturgeon Creek School 522 2ND ST EAST
 FORT FRANCES ON P9A 1N4

Contact: Travis Enge

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HPC-PP-TB								
	Water							
Batch	R3933317							
WG2695944-2	DUP	L2042734-2						
Heterotrophic Plate Count		100	93		CFU/mL	7.3	65	09-JAN-18
WG2695944-1	MB							
Heterotrophic Plate Count			0		CFU/mL		1	09-JAN-18
TC,EC-QT51-TB								
	Water							
Batch	R3932449							
WG2695945-1	MB							
Total Coliforms			0		MPN/100mL		1	09-JAN-18
Escherichia Coli			0		MPN/100mL		1	09-JAN-18
TC,EC-QT97-TB								
	Water							
Batch	R3932388							
WG2695897-2	DUP	L2042792-2						
Total Coliforms		0	0		MPN/100mL	0.0	65	09-JAN-18
Escherichia Coli		0	0		MPN/100mL	0.0	65	09-JAN-18
WG2695897-1	MB							
Total Coliforms			0		MPN/100mL		1	09-JAN-18
Escherichia Coli			0		MPN/100mL		1	09-JAN-18

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



L2042792-COFC

DRINKING WATER CHAIN OF CUSTODY

PLEASE CIRCLE APPLICABLE REGULATION:

Reg 170/03

Reg 318/08 319/08

Reg 243

C of A

Is this a resample from an adverse water quality incident? Yes No

ALS Thunder Bay, 1081 Barton Street. Thunder Bay, ON P7B 5N3
Ph: 807-623-6463 Fax: 807-623-7598 Toll-Free 1-800-668-9878

WORKS NAME		WORKS PHONE		ANALYSES REQUESTED										FOR LAB USE ONLY							
RRDSB - Sturgeon Creek School		School: 807-487-2180 Sherril: 807-275-4979		Please Indicate test for each sample by Checkmark in the box below										L2042806							
CLIENT CONTACT NAME		WORKS FAX												SUBMISSION NO.							
Travis Enge		School: 807-487-1136 Admin: 807-274-5078												L2042792							
WORKS ADDRESS(physical)		AFTER HOURS PHONE												LOGGED BY							
1299 Barwick Road, Barwick, ON, POW 1A0		Peter: 807-275-6762 Travis: 807-276-4733												JTR							
REPORTING ADDRESS		HEALTH UNIT												DATE							
522 Second St. E., Fort Frances, ON, P9A 1N4		NWDHU												Jan 9/18							
WORKS/DWIS/SDWS NUMBER		HEALTH UNIT												TIME							
260009841 / 500141272		Kenora: 807-468-3147/807-468-3914 Fort Frances: 807-274-9827/807-274-0779												3:09							
EMAIL:		Requested Service (Circle One)												TEMPERATURE AT RECEIPT (C)							
sherril.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Reg <input checked="" type="checkbox"/> Pri (50%) Emerg (100%)												3.5							
SAMPLE DESCRIPTION		Chlorine Residual mg/L	Sample Date	Sample Time	Regulated Sample Type * (R,T,D,P,PS,PF)	Total Coliform/E. coli (TC/EC)	Het. Plate Count (HPC)	Nitrate/Nitrite	THM (Max. Res. Time)	Sched 23 Inorganics	Sched 24 Organics	Sodium	Fluoride	Turbidity	Lead	Alkalinity	Other:	Field pH	pH <2	Volume lL	Time Check
(This description will appear on the report)																					
DISTRIBUTED ROOM 12 KINDERGARTEN		0.14	JAN 8/18	1:00 PM	D	X	X														
RAW MECH. ROOM			JAN 8/18	1:10 PM	R	X															
TREATED MECH ROOM		0.14	JAN 8/18	1:08 PM	T			X													

* Sample Type Legend: R - Raw Water T - Treated Source D - Distribution Sample P - Plumbing PS - Plumbing Standing PF - Plumbing Flushed

SAMPLED BY (PRINT): CHARLES DESCHAMPS	SAMPLED BY (SIGNATURE): <i>Charles Deschamps</i>	DATE/TIME RECEIVED AT LAB: 01/09/18 13:55	Other Comments/Cautions (Please identify known or suspected hazards) Quany Tray	CHECK TO LIST ON REPORT
SUBMITTED TO LAB BY (PRINT): CHARLES DESCHAMPS	SUBMITTED TO LAB BY (SIGNATURE): <i>Charles Deschamps</i>	RECEIVED AT LAB BY: LS		Chlorine Residual(s)
				Field pH(s)

I
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JTR