




Rainy River District School Board
ATTN: Rainy River District School Board
Re: Riverview School
522 2ND ST EAST
FORT FRANCES ON P9A 1N4

Date Received: 29-JUL-16
Report Date: 08-AUG-16 12:37 (MT)
Version: FINAL

Client Phone: 807-275-6762

Certificate of Analysis

Lab Work Order #: L1806371
Project P.O. #: NOT SUBMITTED
Job Reference: 500141363
C of C Numbers:
Legal Site Desc:



Christina Shepherd
Account Manager

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ADDRESS: 1081 Barton Street, Thunder Bay, ON P7B 5N3 Canada | Phone: +1 807 623 6463 | Fax: +1 807 623 7598
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CRITERIA REPORT

L1806371 CONTD....

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08-AUG-16 12:39:11

500141363

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L1806371-1 ~P1 CANTEEN SAMPLE 1 STANDING Sampled By: CD on 19-JUN-16 @ 14:40 Matrix: Plumbing Standing Lead per Ont. DW Regulation 243 Lead (Pb)-Total	2.2		1.0	ug/L	ON-DWSTANDARD <hr/> 10	07-AUG-16	R3519632
L1806371-2 ~P2 CANTEEN SAMPLE 2 FLUSHED Sampled By: CD on 19-JUN-16 @ 15:15 Matrix: Plumbing Flushed Lead per Ont. DW Regulation 243 Lead (Pb)-Total	<1.0		1.0	ug/L	ON-DWSTANDARD <hr/> 10	07-AUG-16	R3519632

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

** Analytical result for this parameter exceeds Criteria Specific Limit listed on this report.

Reference Information

500141363

L1806371 CONTD....

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Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
MET-DW-MS-TB	Water	Drinking Water Metals		APHA 3030E/EPA 6020A

Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

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 criteria limits 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.



Environmental

Quality Control Report

Workorder: L1806371

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Client: Rainy River District School Board
Re: Riverview School 522 2ND ST EAST
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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-DW-MS-TB								
	Water							
Batch	R3519632							
WG2360746-12	DUP	L1806371-2						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	07-AUG-16
WG2360746-10	LCS							
Lead (Pb)-Total			106.8		%		80-120	07-AUG-16
WG2360746-9	MB							
Lead (Pb)-Total			<1.0		ug/L		1	07-AUG-16
WG2360746-11	MS	L1806371-2						
Lead (Pb)-Total			106.0		%		70-130	07-AUG-16

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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

Sample Parameter Qualifier Definitions:

Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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.



L1806371-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 RRDSB - Riverview School	WORKS PHONE School: 807-852-3561 Sherril: 807-275-4979		ANALYSES REQUESTED Please indicate test for each sample by Checkmark in the box below											FOR LAB USE ONLY										
	CLIENT CONTACT NAME Peter Gardiman	WORKS FAX School: 807-852-3003 Admin: 807-274-5078	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	SUBMISSION NO. L1806371	LOGGED BY MM	DATE 30 Sep 16	TIME 1019	TEMPERATURE AT RECEIPT [C] 5.9				
WORKS ADDRESS(physical) 11 Mill Avenue, Rainy River, ON, P0W 1L0	AFTER HOURS PHONE Peter: 807-275-6762 Travls: 807-276-4733	HEALTH UNIT NWDHU														HEALTH UNIT Kenora: 807-468-3147/807-468-3914 PHONE/FAX Fort Frances: 807-274-9827/807-274-0779	Requested Service (Circle One) Reg Pri (50%) Emerg (100%)	Regulated Sample Type * (R,T,D,P, PS,PF)	pH <2	Volume L	Time Check			
SAMPLE DESCRIPTION (This description will appear on the report)			Chlorine Residual mg/L	Sample Date	Sample Time																			
Canteen Sample #1 Standing				June 19/16	2:40 PM																			
Canteen Sample #2 Flushed				June 19/16	3:15 PM																			
Water last used June 18/16 9:33 PM																								

* 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** / SIGNED: *Charles Deschamps* DATE/TIME RECEIVED AT LAB: 7-29-16 1:57pm
 SUBMITTED TO LAB BY (PRINT): **Charles Deschamps** / SIGNED: *Charles Deschamps* RECEIVED AT LAB BY: *T.V.*

Other Comments/Cautions (Please identify known or suspected hazards)

CHECK TO LIST ON REPORT
 Chlorine Residual(s)
 Field pH(s)

MM