



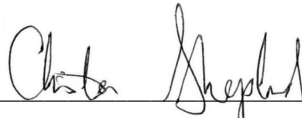
Rainy River District School Board
ATTN: Rainy River District School Board
Re: Rainy River HS 500111606
522 2ND ST EAST
FORT FRANCES ON P9A 1N4

Date Received: 04-AUG-17
Report Date: 16-AUG-17 10:01 (MT)
Version: FINAL

Client Phone: 807-275-6762

Certificate of Analysis

Lab Work Order #: L1970259
Project P.O. #: NOT SUBMITTED
Job Reference: 500111606
C of C Numbers:
Legal Site Desc:



Christina Shepherd
Account Manager

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ANALYTICAL GUIDELINE REPORT

500111606

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits							
Grouping	Analyte						#1	#2						
L1970259-1	-P1 RRHS CANTEEN SAMPLE 1													
Sampled By: CD on 17-JUN-17 @ 11:28														
Matrix: Plumbing Standing														
Total Metals														
Lead (Pb)-Total		22.2		1.0	ug/L	08-AUG-17	*10							
L1970259-2	-P2 RRHS CANTEEN SAMPLE 2													
Sampled By: CD on 17-JUN-17 @ 12:05														
Matrix: Plumbing Flushed														
Total Metals														
Lead (Pb)-Total		7.9		1.0	ug/L	08-AUG-17	10							

** 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***
MET-DW-MS-TB	Water	Drinking Water Metals	APHA 3030E/EPA 6020A

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

*** 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.



Environmental

Quality Control Report

Workorder: L1970259

Report Date: 16-AUG-17

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Client: Rainy River District School Board
Re: Rainy River HS 500111606 522 2ND ST EAST
FORT FRANCES ON P9A 1N4

Contact: Rainy River District School Board

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-DW-MS-TB								
	Water							
Batch	R3793413							
WG2587086-12	DUP	L1970272-2						
Lead (Pb)-Total		1.4	1.5		ug/L	1.1	20	08-AUG-17
WG2587086-10	LCS							
Lead (Pb)-Total			102.6		%		80-120	08-AUG-17
WG2587086-9	MB							
Lead (Pb)-Total			<1.0		ug/L		1	08-AUG-17
WG2587086-11	MS	L1970272-2						
Lead (Pb)-Total			96.3		%		70-130	08-AUG-17

Quality Control Report

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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.



L1970259-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 - Rainy River High School		School: 807-852-3284 Sherrri: 807-275-4979		Please indicate test for each sample by Checkmark in the box below										SUBMISSION NO. L1970259								
CLIENT CONTACT NAME Peter Gardiman TRAVIS EDGE P.G.		WORKS FAX School: 807-852-3105 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	LOGGED BY MM					
WORKS ADDRESS(physical) 1 Mill Avenue, Rainy River, ON, P0W 1L0		AFTER HOURS PHONE Peter: 807-275-6762 Travis: 807-276-4733															DATE 4 Aug 17			TIME 1511		
REPORTING ADDRESS 522 Second St. E., Fort Frances, ON, P9A 1N4		HEALTH UNIT NWDHU		HEALTH UNIT Kenora: 807-468-3147/807-468-3914 PHONE/FAX Fort Frances: 807-274-9827/807-274-0779												pH <2			Volume 1L	Time Check		
WORKS/DWIS/SDWS NUMBER 500111606		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)																
EMAIL: sherrri.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Requested Service (Circle One) Reg Pri (50%) Emerg (100%)		Regulated Sample Type * (R, T, D, P, PS, PF)																		
SAMPLE DESCRIPTION (This description will appear on the report)		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 1L	Time Check	
RRHS CANTEN SAMPLE #1		/	JUNE 17/17	11:28 AM	PS										X				✓	✓		
RRHS CANTEN SAMPLE #2		/	JUNE 17/17	12:05 PM	PF										X				✓	✓		
Water last used																						
JUNE 16/17 11:00 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 DESCAMPS		SAMPLED BY (SIGNATURE): Charles Descamps		DATE/TIME RECEIVED AT LAB: Aug 4 17 1:15		Other Comments/Cautions (Please identify known or suspected hazards)										CHECK TO LIST ON REPORT						
SUBMITTED TO LAB BY (PRINT): CHARLES DESCAMPS		SUBMITTED TO LAB BY (SIGNATURE): Charles Descamps		RECEIVED AT LAB BY: K												Chlorine Residual(s)						
																Field pH(s)						