



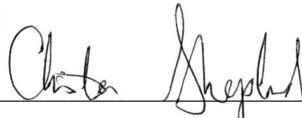
Rainy River District School Board  
ATTN: Rainy River District School Board  
Re: FORT FRANCES HIGH SCHOOL  
522 2ND ST EAST  
FORT FRANCES ON P9A 1N4

Date Received: 24-OCT-17  
Report Date: 02-NOV-17 13:22 (MT)  
Version: FINAL

Client Phone: 807-275-6762

## Certificate of Analysis

Lab Work Order #: L2012191  
Project P.O. #: NOT SUBMITTED  
Job Reference: 500045579  
C of C Numbers:  
Legal Site Desc:

  
\_\_\_\_\_  
Christina Shepherd  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

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

500045579

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte									
L2012191-1	-P1 NORTH HALL EAST BOTTLE FILLER FHS 23 2ND FLOOR						#1	#2		
Sampled By: CD on 20-OCT-17 @ 06:12										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012191-2	-P2 NORTH HALL EAST BOTTLE FILLER FHS 23 2ND FLOOR						#1	#2		
Sampled By: CD on 20-OCT-17 @ 06:50										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012191-3	-P1 WEST HALL NORTH BOTTLE FILLER FHS 25 2ND FLOOR						#1	#2		
Sampled By: CD on 20-OCT-17 @ 06:09										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012191-4	-P2 WEST HALL NORTH BOTTLE FILLER FHS 25 2ND FLOOR						#1	#2		
Sampled By: CD on 20-OCT-17 @ 06:45										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012191-5	-P1 WEST HALL CENTRE BOTTLE FILLER FHS 27 2ND FLOOR						#1	#2		
Sampled By: CD on 20-OCT-17 @ 06:11										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012191-6	-P2 WEST HALL CENTRE BOTTLE FILLER FHS 27 2ND FLOOR						#1	#2		
Sampled By: CD on 20-OCT-17 @ 06:50										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-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: L2012191

Report Date: 02-NOV-17

Page 1 of 2

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

Contact: Rainy River District School Board

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-DW-MS-TB</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3872467</b>							
<b>WG2653958-3</b>	<b>DUP</b>	<b>L2012390-10</b>						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	01-NOV-17
<b>WG2653958-2</b>	<b>LCS</b>							
Lead (Pb)-Total			97.1		%		80-120	01-NOV-17
<b>WG2653958-1</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	01-NOV-17
<b>WG2653958-4</b>	<b>MS</b>	<b>L2012390-10</b>						
Lead (Pb)-Total			93.9		%		70-130	01-NOV-17

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## Legend:

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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:

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Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## 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.

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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.



L2012191-COFC

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

# 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

WORKS NAME RRDSB - Fort Frances High School		WORKS PHONE School: 807-274-7747 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 Travis Enge		WORKS FAX School: 807-274-5171 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. L2012191		
WORKS ADDRESS(physical) 440 McIrvine Road, Fort Frances, ON, P9A 3T8		AFTER HOURS PHONE Peter: 807-275-6762 Travis: 807-276-4733															LOGGED BY JTR		
REPORTING ADDRESS 522 Second St. E., Fort Frances, ON, P9A 1N4		HEALTH UNIT NWDHU		DATE Oct 24/17			TIME 3:50			TEMPERATURE AT RECEIPT (C) 4.5									
WORKS/DWIS/SDWS NUMBER 500045579		HEALTH UNIT Kenora: 807-468-3147/807-468-3914 PHONE/FAX Fort Frances: 807-274-9827/807-274-0779																	
EMAIL: sherril.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Requested Service (Circle One) <input checked="" type="radio"/> Reg <input type="radio"/> Pri (50%) <input type="radio"/> Emerg (100%)																	
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)												pH <2	Volume lL	Time Check
North hall East bottle filler (FHS 23) 2nd floor		/	Oct 20/17	6:12 AM	PS												/	/	JTR
North hall East bottle filler (FHS 23) 2nd floor		/	Oct 20/17	6:50 AM	PF												/	/	JTR
West hall North bottle filler (FHS 25) 2nd floor		/	Oct 20/17	6:09 AM	PS												/	/	JTR
West hall North bottle filler (FHS 25) 2nd floor		/	Oct 20/17	6:45 AM	PF												/	/	JTR
West hall Centre bottle filler (FHS 27) 2nd floor		/	Oct 20/17	6:11 AM	PS												/	/	JTR
West hall Centre bottle filler (FHS 27) 2nd floor		/	Oct 20/17	6:50 AM	PF												/	/	JTR
Centre block hall bottle filler (FHS 29) 2nd floor		/	Oct 20/17	6:10 AM	PS												/	X	JTR
Centre block hall bottle filler (FHS 29) 2nd floor		/	Oct 20/17	6:45 AM	PF												/	/	JTR

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

SAMPLED BY (PRINT): CHARLES DECCAMP	SAMPLED BY (SIGNATURE): <i>Charles Deccamp</i>	DATE/TIME RECEIVED AT LAB: 10/24/17 13:50
SUBMITTED TO LAB BY (PRINT): CHARLES DECCAMP	SUBMITTED TO LAB BY (SIGNATURE): <i>Charles Deccamp</i>	RECEIVED AT LAB BY: LS

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

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

*JTR*