



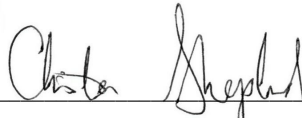
Rainy River District School Board  
ATTN: TRAVIS ENGE  
RE: MINE CENTRE  
522 2ND ST EAST  
FORT FRANCES ON P9A 1N4

Date Received: 02-NOV-17  
Report Date: 08-NOV-17 14:27 (MT)  
Version: FINAL

Client Phone: 807-275-6762

## Certificate of Analysis

Lab Work Order #: L2017510  
Project P.O. #: Mine Centre  
Job Reference: 500141636  
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  
ALS CANADA LTD Part of the ALS Group An ALS Limited Company



# ANALYTICAL GUIDELINE REPORT

500141636

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte									
L2017510-1	-P1 TEACHER COUNTER KITCHEN SINK RM 126 MCS RM126 5MIN						#1	#2		
Sampled By: CG on 28-OCT-17 @ 14:45										
Matrix: PLUMBING STANDING										
<b>Total Metals</b>										
Lead (Pb)-Total		3.1		1.0	ug/L	08-NOV-17	10			
L2017510-2	-P2 TEACHER COUNTER KITCHEN SINK RM 126 MCS RM126 5MIN						#1	#2		
Sampled By: CG on 28-OCT-17 @ 15:26										
Matrix: PLUMBING FLUSHED										
<b>Total Metals</b>										
Lead (Pb)-Total		3.7		1.0	ug/L	08-NOV-17	10			
L2017510-3	-P1 WATER TABLE PLAY SINK RM 126 MCS 1						#1	#2		
Sampled By: CG on 29-OCT-17 @ 05:15										
Matrix: PLUMBING STANDING										
<b>Total Metals</b>										
Lead (Pb)-Total		4.6		1.0	ug/L	08-NOV-17	10			
L2017510-4	-P2 WATER TABLE PLAY SINK RM 126 MCS 1						#1	#2		
Sampled By: CG on 29-OCT-17 @ 05:54										
Matrix: PLUMBING FLUSHED										
<b>Total Metals</b>										
Lead (Pb)-Total		1.5		1.0	ug/L	08-NOV-17	10			
L2017510-5	-P1 EAST HALL BOTTLE FILLER MCS 3						#1	#2		
Sampled By: CG on 28-OCT-17 @ 14:35										
Matrix: PLUMBING STANDING										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017510-6	-P2 EAST HALL BOTTLE FILLER MCS 3						#1	#2		
Sampled By: CG on 28-OCT-17 @ 15:13										
Matrix: PLUMBING FLUSHED										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017510-7	-P1 LEFT FOUNTAIN NEAR GYM MCS 5						#1	#2		
Sampled By: CG on 28-OCT-17 @ 14:25										
Matrix: PLUMBING STANDING										
<b>Total Metals</b>										
Lead (Pb)-Total		2.7		1.0	ug/L	08-NOV-17	10			
L2017510-8	-P2 LEFT FOUNTAIN NEAR GYM MCS 5						#1	#2		
Sampled By: CG on 28-OCT-17 @ 15:03										
Matrix: PLUMBING FLUSHED										
<b>Total Metals</b>										
Lead (Pb)-Total		1.5		1.0	ug/L	08-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.*



## Quality Control Report

Workorder: L2017510

Report Date: 08-NOV-17

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Client: Rainy River District School Board  
 RE: MINE CENTRE 522 2ND ST EAST  
 FORT FRANCES ON P9A 1N4

Contact: TRAVIS ENGE

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-DW-MS-TB</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3878566</b>							
<b>WG2658804-3</b>	<b>DUP</b>	<b>L2017510-6</b>						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	08-NOV-17
<b>WG2658804-7</b>	<b>DUP</b>	<b>L2017959-4</b>						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	08-NOV-17
<b>WG2658804-2</b>	<b>LCS</b>							
Lead (Pb)-Total			97.6		%		80-120	08-NOV-17
<b>WG2658804-6</b>	<b>LCS</b>							
Lead (Pb)-Total			97.4		%		80-120	08-NOV-17
<b>WG2658804-1</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	08-NOV-17
<b>WG2658804-5</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	08-NOV-17
<b>WG2658804-4</b>	<b>MS</b>	<b>L2017510-6</b>						
Lead (Pb)-Total			92.4		%		70-130	08-NOV-17
<b>WG2658804-8</b>	<b>MS</b>	<b>L2017959-4</b>						
Lead (Pb)-Total			94.7		%		70-130	08-NOV-17

# Quality Control Report

Workorder: L2017510

Report Date: 08-NOV-17

Client: Rainy River District School Board  
RE: MINE CENTRE 522 2ND ST EAST  
FORT FRANCES ON P9A 1N4

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Contact: TRAVIS ENGE

## 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
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.



L2017510-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 - Mine Centre School		School: 807-599-2843 Sherri: 807-275-4979		Please Indicate test for each sample by Checkmark in the box below												SUBMISSION NO. L2017510						
CLIENT CONTACT NAME		WORKS FAX		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 W					
123 Mine Centre Road, Mine Centre, ON, P0W 1H0		Admin: 807-274-5078															DATE Nov 2/17					
REPORTING ADDRESS		AFTER HOURS PHONE															TIME 5:37					
522 Second St. E., Fort Frances, ON, P9A 1N4		Peter: 807-275-6762 Travis: 807-276-4733															TEMPERATURE AT RECEIPT (C) 4.1					
WORKS ADDRESS(physical)		HEALTH UNIT																				
123 Mine Centre Road, Mine Centre, ON, P0W 1H0		NWDHU																				
REPORTING ADDRESS		HEALTH UNIT																				
522 Second St. E., Fort Frances, ON, P9A 1N4		NWDHU																				
WORKS/DWIS/SDWS NUMBER		HEALTH UNIT																				
260015002 / <del>60011096</del> 260015002		Kenora: 807-468-3147/807-468-3914 Fort Frances: 807-274-9827/807-274-0779																				
EMAIL: sherri.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Requested Service (Circle One)																				
		Reg <input checked="" type="checkbox"/> Pri (50%)    Emerg (100%)																				
SAMPLE DESCRIPTION		Chlorine Residual mg/L	Sample Date	Sample Time	Regulated Sample Type (R,T,D,P, PS,PF)																	
(This description will appear on the report)																						
Teacher counter kitchen sink Rm 126 (MCS Rm126 5Min)			oct 28/17	2:45pm	PS	8 hrs	15 min													✓	✓	BP
Teacher counter kitchen sink Rm 126 (MCS Rm126 5Min)			oct 28/17	3:26pm	PF													✓	✓	BP		
Water table play sink Rm 126 (MCS 1)			oct 29/17	5:15AM	PS	10 hrs	15 min													✓	✓	BP
Water table play sink Rm 126 (MCS 1)			oct 29/17	5:54AM	PF													✓	✓	BP		
East hall bottle filler (MCS 3)			oct 28/17	2:35pm	PS	8 hrs	10 min													✓	✓	BP
East hall bottle filler (MCS 3)			oct 28/17	3:13pm	PF													✓	✓	BP		
Left fountain near gym (MCS 5)			oct 28/17	2:25pm	P.S	8 hrs													✓	✓	BP	
Left fountain near gym (MCS 5)			oct 28/17	3:03pm	PF													✓	✓	BP		

P.S.

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

SAMPLED BY (PRINT): C. Gustafson	SAMPLED BY (SIGNATURE): <i>C. Gustafson</i>	DATE/TIME RECEIVED AT LAB: Nov 2/2017 3:32	Other Comments/Cautions (Please identify known or suspected hazards) Log shows no one in building during standing time. C.G.	CHECK TO LIST ON REPORT
SUBMITTED TO LAB BY (PRINT): C. Gustafson	SUBMITTED TO LAB BY (SIGNATURE): <i>C. Gustafson</i>	RECEIVED AT LAB BY: BP		Chlorine Residual(s)