



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

Date Received: 29-JUL-16  
Report Date: 08-AUG-16 12:30 (MT)  
Version: FINAL

Client Phone: 807-275-6762

## Certificate of Analysis

Lab Work Order #: L1806396  
Project P.O. #: Mine Centre  
Job Reference: 500141636  
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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# CRITERIA REPORT

L1806396 CONTD....

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500141636

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L1806396-1 ~P1 1 STANDING APROX 11 HRS KITCHEN Sampled By: CG on 23-JUN-16 @ 06:15 Matrix: Plumbing Standing  <b>Lead per Ont. DW Regulation 243</b> Lead (Pb)-Total	3.9		1.0	ug/L	ON-DWSTANDARD <hr/> 10	07-AUG-16	R3519632
L1806396-2 ~P2 2 FLUSHED KITCHEN 33 MINS Sampled By: CG on 23-JUN-16 @ 06:55 Matrix: Plumbing Flushed  <b>Lead per Ont. DW Regulation 243</b> Lead (Pb)-Total	2.4		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

500141636

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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.*



### Quality Control Report

Workorder: L1806396

Report Date: 08-AUG-16

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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>R3519632</b>							
<b>WG2360746-3</b>	<b>DUP</b>	<b>L1804452-1</b>						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	07-AUG-16
<b>WG2360746-2</b>	<b>LCS</b>							
Lead (Pb)-Total			97.3		%		80-120	05-AUG-16
<b>WG2360746-1</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	05-AUG-16
<b>WG2360746-4</b>	<b>MS</b>	<b>L1804452-1</b>						
Lead (Pb)-Total			105.6		%		70-130	07-AUG-16

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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
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.



L1806396-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			
mine Centre School R.A.D.S.B.		907-599-2843		Please indicate test for each sample by Checkmark in the box below												SUBMISSION NO.			
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		
TAAVIS ENGE		807-274-5078															pH <2		
WORKS ADDRESS (physical)		AFTER HOURS PHONE		Volume 1L			Time Check												
4123 mine Centre RD. Box 123 Mine Centre, Ont. Pow-1H0		Todd 807-597-7801		DATE			TEMPERATURE AT RECEIPT [C]												
REPORTING ADDRESS		HEALTH UNIT		11:30			5.9												
522 Second St. East Fort Frances Ont. P9A-1N4		N. W. D. H. U.																	
WORKS/DWS/SDWS NUMBER		HEALTH UNIT PHONE/FAX																	
260015002		807-468-3147																	
EMAIL:		Requested Service (Circle One)																	
sherni.belluz@mail.rrdsb.com		Reg <input checked="" type="checkbox"/> Pri (50%) Emerg (100%)																	
Attagy@mail.rrdsb.com		Regulated Sample Type * (R,T,D,P, PS,PF)																	
SAMPLE DESCRIPTION		Chlorine Residual mg/L	Sample Date	Sample Time															
(This description will appear on the report)																			
Kitchen																			
#1 Standing Approx 11 hrs.		N/A	June 23/16	6:15 AM															
#2 Flushed Kitchen 33 mins.		N/A	June 23/16	6:55 AM															
#1 No water used from																			
Approx 7 pm June 23/16 to																			
6:15 AM June 23/16.																			

\* 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>Chris Gustafson</i>	DATE/TIME RECEIVED AT LAB: 7-29-16 1:32 PM	Other Comments/Cautions (Please identify known or suspected hazards)
SUBMITTED TO LAB BY (PRINT): C. Gustafson	SUBMITTED TO LAB BY (SIGNATURE): <i>Chris Gustafson</i>	RECEIVED AT LAB BY: T.K	

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

*mm*