




Rainy River District School Board
ATTN: Travis Enge
RE: Mine Centre 500141636
522 2ND ST EAST
FORT FRANCES ON P9A 1N4

Date Received: 04-AUG-17
Report Date: 15-AUG-17 14:45 (MT)
Version: FINAL

Client Phone: 807-275-6762

Certificate of Analysis

Lab Work Order #: L1970289
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
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ANALYTICAL GUIDELINE REPORT

500141636

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits					
Grouping	Analyte						#1	#2				
L1970289-1 ~P1 1 STANDING APROX 11HRS 20 MIN Sampled By: CG on 22-JUN-17 @ 06:20 Matrix: Plumbing Standing							#1	#2				
Total Metals Lead (Pb)-Total		3.3		1.0	ug/L	08-AUG-17	10					
L1970289-2 ~P2 2 FLUSHED APROX 32 MIN Sampled By: CG on 22-JUN-17 @ 07:00 Matrix: Plumbing Flushed							#1	#2				
Total Metals Lead (Pb)-Total		2.4		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.



Quality Control Report

Workorder: L1970289

Report Date: 15-AUG-17

Page 1 of 2

Client: Rainy River District School Board
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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-DW-MS-TB								
	Water							
Batch	R3793413							
WG2587086-16	DUP	L1970311-2						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	08-AUG-17
WG2587086-14	LCS							
Lead (Pb)-Total			100.6		%		80-120	08-AUG-17
WG2587086-13	MB							
Lead (Pb)-Total			<1.0		ug/L		1	08-AUG-17
WG2587086-15	MS	L1970311-2						
Lead (Pb)-Total			93.5		%		70-130	08-AUG-17

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Page 2 of 2

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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.



L1970289-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 - Mine Centre School		WORKS PHONE School: 807-599-2843 Sherri: 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 TRAVIS ENGE <i>A.G.</i>		WORKS FAX School: 807-599-9911 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. L1970289		
WORKS ADDRESS(physical) 123 Mine Centre Road, Mine Centre, ON, POW 1H0		AFTER HOURS PHONE Peter: 807-275-6762 Travis: 807-276-4733															LOGGED BY MM		
REPORTING ADDRESS 522 Second St. E., Fort Frances, ON, P9A 1N4		HEALTH UNIT NWDHU															DATE 4 Aug 17		
WORKS/DWIS/SDWS NUMBER 500141636 / 500141636 : 500141636 <i>P.G.</i>		HEALTH UNIT Kenora: 807-468-3147/807-468-3914 PHONE/FAX Fort Frances: 807-274-9827/807-274-0779															TIME 1529		
EMAIL: sherri.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Requested Service (Circle One) <input checked="" type="radio"/> Reg Pri (50%) <input type="radio"/> Emerg (100%)		Regulated Sample Type * (R,T,D,P, PS,PF)											TEMPERATURE AT RECEIPT (C) 4.1				
SAMPLE DESCRIPTION (This description will appear on the report) Samples taken in Kitchen		Chlorine Residual mg/L	Sample Date		Sample Time											pH <2	Volume lL	Time Check	
#1 Standing Approx 11hrs 20min		/	June 22/17	6:20AM											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
#2 Flushed Approx 32 min.		/	June 22/17	7:00AM											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
NO one logged into building between 7:00pm June 21 to 6:00AM June 22.																			
SAMPLED BY (PRINT): C. Gustafson		SAMPLED BY (SIGNATURE): <i>C. Gustafson</i>		DATE/TIME RECEIVED AT LAB: Aug 4/17 1:20		Other Comments/Cautions (Please identify known or suspected hazards)										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: <i>KW</i>												Chlorine Residual(s)			Field pH(s)

MM

MM