




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

Date Received: 16-NOV-17  
Report Date: 22-NOV-17 11:16 (MT)  
Version: FINAL

Client Phone: 807-275-6762

## Certificate of Analysis

Lab Work Order #: L2023440  
Project P.O. #: NOT SUBMITTED  
Job Reference: 500141272  
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

500141272

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte									
L2023440-1	-P1 KINDERGARTEN KITCHEN SINK ROOM	12 SCS RM 12 5MIN					#1	#2		
Sampled By: MK on 28-OCT-17 @ 18:17										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		1.4		1.0	ug/L	21-NOV-17	10			
L2023440-2	-P2 KINDERGARTEN KITCHEN SINK ROOM	12 SCS RM 12 5MIN					#1	#2		
Sampled By: MK on 28-OCT-17 @ 18:54										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	21-NOV-17	10			
L2023440-3	-P1 NORTH EAST HALL FOUNTAIN SCS 1						#1	#2		
Sampled By: MK on 28-OCT-17 @ 18:15										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		2.5		1.0	ug/L	21-NOV-17	10			
L2023440-4	-P2 NORTH EAST HALL FOUNTAIN SCS 1						#1	#2		
Sampled By: MK on 28-OCT-17 @ 18:53										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		1.3		1.0	ug/L	21-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: L2023440

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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>R3892330</b>							
<b>WG2668288-3</b>	<b>DUP</b>	<b>L2023440-4</b>						
Lead (Pb)-Total		1.3	1.3		ug/L	1.1	20	21-NOV-17
<b>WG2668288-2</b>	<b>LCS</b>							
Lead (Pb)-Total			95.4		%		80-120	21-NOV-17
<b>WG2668288-1</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	21-NOV-17
<b>WG2668288-4</b>	<b>MS</b>	<b>L2023440-4</b>						
Lead (Pb)-Total			92.0		%		70-130	21-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

## 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.



L2023440-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 - Sturgeon Creek School		School: 807-487-2180 Sherrri: 807-275-4979		Please indicate test for each sample by Checkmark in the box below														SUBMISSION NO L 202 3440		
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 KW			
Travis Enge		School: 807-487-1136 Admin: 807-274-5078															DATE Nov 16/17			
WORKS ADDRESS(physical)		AFTER HOURS PHONE		TIME 4:13			TEMPERATURE AT RECEIPT [C] 5.1													
1299 Barwick Road, Barwick, ON, P0W 1A0		Peter: 807-275-6762 Travls: 807-276-4733		HEALTH UNIT NWDHU			HEALTH UNIT Kenora: 807-468-3147/807-468-3914 PHONE/FAX Fort Frances: 807-274-9827/807-274-0779			Reg (50%) Emerg (100%)			Regulated Sample Type* (R,T,D,P, PS,PF)							
REPORTING ADDRESS		HEALTH UNIT		pH <2			Volume IL			Time Check										
522 Second St. E., Fort Frances, ON, P9A 1N4		NWDHU		Chlorine Residual mg/L			Sample Date			Sample Time										
WORKS/DWIS/SOWS NUMBER		HEALTH UNIT		SAMPLE DESCRIPTION																
2600984+ / 500141272		Kenora: 807-468-3147/807-468-3914 Fort Frances: 807-274-9827/807-274-0779		(This description will appear on the report)																
EMAIL		Requested Service (Circle One)																		
sherrri.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Reg (50%) Emerg (100%)																		
#2	Kindergarten kitchen sink room 12 (SCS Rm12 5Min)	/	Oct 28/17	6:17pm	PS													✓	✓	
	Kindergarten kitchen sink room 12 (SCS Rm12 5Min)	/	Oct 28/17	6:54pm	PF													✓	✓	
#1	North East hall fountain (SCS 1)	/	Oct 28/17	6:15pm	PS													✓	✓	
	North East hall fountain (SCS 1)	/	Oct 28/17	6:53pm	PF													✓	✓	

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

SAMPLED BY (PRINT): Matthew Kawn	SAMPLED BY (SIGNATURE): <i>Matthew Kawn</i>	DATE/TIME RECEIVED AT LAB: Nov 16 2017 1:39	Other Comments/Cautions (Please identify known or suspected hazards)	CHECK TO LIST ON REPORT Chlorine Residual(s) Field pH(s)
SUBMITTED TO LAB BY (PRINT): Matthew Kawn	SUBMITTED TO LAB BY (SIGNATURE): <i>Matthew Kawn</i>	RECEIVED AT LAB BY: JTR		