



Rainy River District School Board
ATTN: Rainy River District School Board
Re: North Star Community School
522 2ND ST EAST
FORT FRANCES ON P9A 1N4

Date Received: 02-NOV-17
Report Date: 08-NOV-17 13:31 (MT)
Version: FINAL

Client Phone: 807-275-6762

Certificate of Analysis

Lab Work Order #: L2017539
Project P.O. #: NOT SUBMITTED
Job Reference: 500045683
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

500045683

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte									
L2017539-1	~P1 TOILET AREA SINK RM 172 NSC 1						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:14										
Matrix: Plumbing Standing										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-2	~P2 TOILET AREA SINK RM 172 NSC 1						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:50										
Matrix: Plumbing Flushed										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-3	~P1 WEST HALL BOTTLE FILLER NSC 2						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:06										
Matrix: Plumbing Standing										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-4	~P2 WEST HALL BOTTLE FILLER NSC 2						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:42										
Matrix: Plumbing Flushed										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-5	~P1 HALL FOUNTAIN NEAR KITCHEN NSC 9						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:00										
Matrix: Plumbing Standing										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-6	~P2 HALL FOUNTAIN NEAR KITCHEN NSC 9						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:35										
Matrix: Plumbing Flushed										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-7	~P1 HALL WALL KITCHEN SINK RM 172 NSCRM172 5MIN						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:12										
Matrix: Plumbing Standing										
Total Metals										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017539-8	~P2 HALL WALL KITCHEN SINK RM 172 NSCRM172 5MIN						#1	#2		
Sampled By: TD on 31-OCT-17 @ 17:48										
Matrix: Plumbing Flushed										
Total Metals										
Lead (Pb)-Total		<1.0		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



ANALYTICAL GUIDELINE REPORT

500045683

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2		
L2017539-9 ~P1 EAST HALL BY WASHROOM BOTTLE FILLER NSC 11 Sampled By: TD on 31-OCT-17 @ 17:21 Matrix: Plumbing Standing		<1.0		1.0	ug/L	08-NOV-17	#1	#2		
Total Metals										
Lead (Pb)-Total							10			
L2017539-10 ~P2 EAST HALL BY WASHROOM BOTTLE FILLER NSC 11 Sampled By: TD on 31-OCT-17 @ 17:57 Matrix: Plumbing Flushed		<1.0		1.0	ug/L	08-NOV-17	#1	#2		
Total Metals										
Lead (Pb)-Total							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: L2017539

Report Date: 08-NOV-17

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Client: Rainy River District School Board
Re: North Star Community 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
MET-DW-MS-TB								
	Water							
Batch	R3878566							
WG2658804-3	DUP	L2017510-6						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	08-NOV-17
WG2658804-2	LCS							
Lead (Pb)-Total			97.6		%		80-120	08-NOV-17
WG2658804-1	MB							
Lead (Pb)-Total			<1.0		ug/L		1	08-NOV-17
WG2658804-4	MS	L2017510-6						
Lead (Pb)-Total			92.4		%		70-130	08-NOV-17

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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.



L2017539-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		WORKS PHONE		ANALYSES REQUESTED										FOR LAB USE ONLY											
RRDSB - North Star Community School		School: 807-597-6640 Sherril: 807-275-4979		Please indicate test for each sample by Checkmark in the box below										SUBMISSION NO. L2017539											
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 JTR								
Travis Enge		School: 807-597-5810 Admin: 807-274-5078															TEMPERATURE AT RECEIPT (C) 6.4								
WORKS ADDRESS(physical)		AFTER HOURS PHONE															DATE Nov 02 2017								
209 Hawthorne Road, Atikokan, ON, P0T 1C0		Peter: 807-275-6762 Todd: 807-597-7801 Travis: 807-276-4733															TIME 6:13								
REPORTING ADDRESS		HEALTH UNIT															pH <2								
522 Second St. E., Fort Frances, ON, P9A 1N4		NWDHU															Volume 1L								
WORKS/DWIS/SDWS NUMBER		HEALTH UNIT															Time Check								
500045683		Kenora: 807-468-3147/807-468-3914 Fort Frances: 807-274-9827/807-274-0779																							
EMAIL: sherril.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com		Requested Service (Circle One)																							
		Reg 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)																									
Toilet area sink rm 172 (NSC 1)		/	Oct 31	5:14	PS														X				✓	✓	JTR
Toilet area sink rm 172 (NSC 1)		/	Oct 31	5:50	PF																		✓	✓	JTR
West hall bottle filler (NSC 2)		/	Oct 31	5:06	PS																		✓	✓	JTR
West hall bottle filler (NSC 2)		/	Oct 31	5:42	PF																		✓	✓	JTR
Hall fountain near kitchen (NSC 9)		/	Oct 31	5:00	PS																		✓	✓	JTR
Hall fountain near kitchen (NSC 9)		/	Oct 31	5:35	PF																		✓	✓	JTR
Hall Wall kitchen sink rm 172 (NSCRm172 5min)		/	Oct 31	5:12	PS																		✓	✓	JTR
Hall Wall kitchen sink rm 172 (NSCRm172 5min)		/	Oct 31	5:48	PF																		✓	✓	JTR
East hall by washrooms bottle filler (NSC 11)		/	Oct 31	5:21	PS																		✓	✓	JTR
East hall by washrooms bottle filler (NSC 11)		/	Oct. 31	5:57	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): TOOD DESAULNIERS	SAMPLED BY (SIGNATURE): <i>Tood Desaulniers</i>	DATE/TIME RECEIVED AT LAB: Nov. 2 / 2017 3:36	Other Comments/Cautions (Please identify known or suspected hazards): LOG SHOWS NO ONE IN BUILDING FOR PAST 6 HRS.	CHECK TO LIST ON REPORT
SUBMITTED TO LAB BY (PRINT): TOOD DESAULNIERS	SUBMITTED TO LAB BY (SIGNATURE): <i>Tood Desaulniers</i>	RECEIVED AT LAB BY: BP		Chlorine Residual(s)
				Field pH(s)

JTR SD