



Rainy River District School Board  
ATTN: Rainy River District School Board  
Re: Atikokan HS  
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 #: L2017529  
Project P.O. #: NOT SUBMITTED  
Job Reference: 500001145  
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  
ALS CANADA LTD Part of the ALS Group An ALS Limited Company



# ANALYTICAL GUIDELINE REPORT

500001145

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte									
L2017529-1	-P1 WEIGHT ROOM LEFT KITCHEN SINK ROOM 34 AHS 1						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:13										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		30.3		1.0	ug/L	08-NOV-17	*10			
L2017529-2	-P2 WEIGHT ROOM LEFT KITCHEN SINK ROOM 34 AHS 1						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:49										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		17.2		1.0	ug/L	08-NOV-17	*10			
L2017529-3	-P1 WEIGHT ROOM RIGHT KITCHEN SINK RM 34 AHS RM34 5MIN						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:14										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		36.5		1.0	ug/L	08-NOV-17	*10			
L2017529-4	-P2 WEIGHT ROOM RIGHT KITCHEN SINK RM 34 AHS RM34 5MIN						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:50										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		18.7		1.0	ug/L	08-NOV-17	*10			
L2017529-5	-P1 GRAYSON HALL FOYER BOTTLE FILLER AHS 2						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:07										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017529-6	-P2 GRAYSON HALL FOYER BOTTLE FILLER AHS 2						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:43										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10			
L2017529-7	-P1 MAIN OFFICE MAIN KITCHEN SINK AHS 7						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:01										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		60.4		1.0	ug/L	08-NOV-17	*10			
L2017529-8	-P2 MAIN OFFICE MAIN KITCHEN SINK AHS 7						#1	#2		
Sampled By: TD on 26-OCT-17 @ 17:36										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		12.8		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

500001145

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits							
Grouping	Analyte						#1	#2						
L2017529-9	-P1 ACROSS FROM MAIN OFFICE HALL BOTTLE FILLER AHS 8													
Sampled By: TD on 26-OCT-17 @ 16:55														
Matrix: Plumbing Standing														
<b>Total Metals</b>														
Lead (Pb)-Total		<1.0		1.0	ug/L	08-NOV-17	10							
L2017529-10	-P2 ACROSS FROM MAIN OFFICE HALL BOTTLE FILLER AHS 8													
Sampled By: TD on 26-OCT-17 @ 17:30														
Matrix: Plumbing Flushed														
<b>Total Metals</b>														
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

## 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: L2017529

Report Date: 08-NOV-17

Page 1 of 2

Client: Rainy River District School Board  
Re: Atikokan HS 522 2ND ST EAST  
FORT FRANCES ON P9A 1N4

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>R3878566</b>							
<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>WG2658804-6</b>	<b>LCS</b>							
Lead (Pb)-Total			97.4		%		80-120	08-NOV-17
<b>WG2658804-5</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	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: L2017529

Report Date: 08-NOV-17

Client: Rainy River District School Board  
Re: Atikokan HS 522 2ND ST EAST  
FORT FRANCES ON P9A 1N4

Page 2 of 2

Contact: Rainy River District School Board

## 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.



L2017529-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 RRDSB - Atikokan High School	WORKS PHONE School: 807-597-2703 Sherrri: 807-275-4979		ANALYSES REQUESTED												FOR LAB USE ONLY						
	WORKS FAX School: 807-597-6533 Admin: 807-274-5078		Please indicate test for each sample by Checkmark in the box below												SUBMISSION NO. L2017529	LOGGED BY JTR	DATE Nov 02/17	TIME 6:02	TEMPERATURE AT RECEIPT (C) 6.4		
CLIENT CONTACT NAME Travis Enge	AFTER HOURS PHONE Peter: 807-275-6762 Todd: 807-597-7801    Travis: 807-276-4733		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	pH <2	Volume TL	Time Check			
WORKS ADDRESS(physical) 324 Mercury Avenue, Atikokan, ON, P0T 1C0	HEALTH UNIT NWDHU	HEALTH UNIT Kenora: 807-468-9147/807-468-3914 PHONE/FAX Fort Frances: 807-274-9827/807-274-0779																	Requested Service (Circle One) Reg <input checked="" type="checkbox"/> Pri (50%)    Emerg (100%)	Regulated Sample Type * (R,T,D,P, PS,PF)	
REPORTING ADDRESS 522 Second St. E., Fort Frances, ON, P9A 1N4	HEALTH UNIT																				
WORKS/DWIS/SOWS NUMBER 500001145	HEALTH UNIT																				
EMAIL: sherrri.belluz@mail.rrdsb.com peter.gardiman@mail.rrdsb.com	Requested Service (Circle One)																				
SAMPLE DESCRIPTION (This description will appear on the report)	Chlorine Residual mg/L	Sample Date	Sample Time	Regulated Sample Type * (R,T,D,P, PS,PF)																	
Weight room left kitchen sink room 34 (AHS 1)	/	OCT 26	5:13	PS														X	✓	✓	JTR
Weight room left kitchen sink room 34 (AHS 1)	/	OCT. 26	5:49	PF														X	✓	✓	JTR
Weight room right kitchen sink rm 34 (AHS Rm34 5Min)	/	OCT. 26	5:14	PS														X	✓	✓	JTR
Weight room right kitchen sink rm 34 (AHS Rm34 5Min)	/	OCT. 26	5:50	PF														X	✓	✓	JTR
Grayson hall foyer bottle filler (AHS 2)	/	OCT. 26	5:07	PS														X	✓	✓	JTR
Grayson hall foyer bottle filler (AHS 2)	/	OCT. 26	5:43	PF														X	✓	✓	JTR
Main office main kitchen sink (AHS 7)	/	OCT. 26	5:01	PS														X	✓	✓	JTR
Main office main kitchen sink (AHS 7)	/	OCT 26	5:36	PF														X	✓	✓	JTR
Across from main office, hall bottle filler (AHS 8)	/	OCT-26	4:55	PS														X	✓	✓	JTR
Across from main office, hall bottle filler (AHS 8)	/	OCT. 26	5:30	PF														X	✓	✓	JTR

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

SAMPLED BY (PRINT): TODD DESAULNIERS	SAMPLED BY (SIGNATURE): <i>Todd Desaulniers</i>	DATE/TIME RECEIVED AT LAB: NOV. 21/2017 9:36	Other Comments/Cautions (Please identify known or suspected hazards) LOG SHOWS NOBODY IN BUILDING FOR PAST 6 HRS.	CHECK TO LIST ON REPORT
SUBMITTED TO LAB BY (PRINT): TODD DESAULNIERS	SUBMITTED TO LAB BY (SIGNATURE): <i>Todd Desaulniers</i>	RECEIVED AT LAB BY: BP		Chlorine Residual(s)
				Field pH(s)

JTR SD