



Rainy River District School Board  
ATTN: Rainy River District School Board  
Re: J.W. Walker  
522 2ND ST EAST  
FORT FRANCES ON P9A 1N4

Date Received: 24-OCT-17  
Report Date: 02-NOV-17 13:23 (MT)  
Version: FINAL

Client Phone: 807-275-6762

## Certificate of Analysis

Lab Work Order #: L2012392  
Project P.O. #: NOT SUBMITTED  
Job Reference: 500045553  
C of C Numbers:  
Legal Site Desc:

  
\_\_\_\_\_  
Christina Shepherd  
Account Manager

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# ANALYTICAL GUIDELINE REPORT

500045553

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte									
L2012392-1	-P1 2ND FLOOR HALLWAY FOUNTAIN JWS 1						#1	#2		
Sampled By: MK on 19-OCT-17 @ 06:06										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-2	-P2 2ND FLOOR HALLWAY FOUNTAIN JWS 1						#1	#2		
Sampled By: MK on 19-OCT-17 @ 06:50										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-3	-P1 BOTTOM OF STAIRS BOTTLE FILLER JWS 2						#1	#2		
Sampled By: MK on 19-OCT-17 @ 06:05										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-4	-P2 BOTTOM OF STAIRS BOTTLE FILLER JWS 2						#1	#2		
Sampled By: MK on 19-OCT-17 @ 06:45										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-5	-P1 EAST JK/SK KITCHEN SINK JWS 7						#1	#2		
Sampled By: MK on 18-OCT-17 @ 06:16										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-6	-P2 EAST JK/SK KITCHEN SINK JWS 7						#1	#2		
Sampled By: MK on 18-OCT-17 @ 06:57										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-7	-P1 WEST JK/SK KITCHEN SINK EY ROOM JWS 9						#1	#2		
Sampled By: MK on 18-OCT-17 @ 06:19										
Matrix: Plumbing Standing										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-NOV-17	10			
L2012392-8	-P2 WEST JK/SK KITCHEN SINK EY ROOM JWS 9						#1	#2		
Sampled By: MK on 18-OCT-17 @ 06:58										
Matrix: Plumbing Flushed										
<b>Total Metals</b>										
Lead (Pb)-Total		<1.0		1.0	ug/L	01-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.*



**Environmental**

### Quality Control Report

Workorder: L2012392

Report Date: 02-NOV-17

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Client: Rainy River District School Board  
Re: J.W. Walker 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>R3872467</b>							
<b>WG2653958-7</b>	<b>DUP</b>	<b>L2012547-12</b>						
Lead (Pb)-Total		<1.0	<1.0	RPD-NA	ug/L	N/A	20	01-NOV-17
<b>WG2653958-6</b>	<b>LCS</b>							
Lead (Pb)-Total			101.2		%		80-120	01-NOV-17
<b>WG2653958-5</b>	<b>MB</b>							
Lead (Pb)-Total			<1.0		ug/L		1	01-NOV-17
<b>WG2653958-8</b>	<b>MS</b>	<b>L2012547-12</b>						
Lead (Pb)-Total			93.4		%		70-130	01-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

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
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.



L2012392-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 - JW Walker School		School: 807-274-3616 Sherril: 807-275-4979		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				
Travis Enge		School: 807-274-6970 Admin: 807-274-5078															pH <2				
WORKS ADDRESS(physical)		AFTER HOURS PHONE															Volume 1L				
475 Keating Avenue, Fort Frances, ON, P9A 3K8		Peter: 807-275-6762 Travis: 807-276-4733															Time Check				
REPORTING ADDRESS		HEALTH UNIT																			
522 Second St. E., Fort Frances, ON, P9A 1N4		NWDHU																			
WORKS/DWIS/SDWS NUMBER		HEALTH UNIT																			
500045553		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 <input checked="" type="checkbox"/> Pri (50%) Emerg (100%)																			
SAMPLE DESCRIPTION		Chlorine Residual mg/L	Sample Date	Sample Time	Regulated Sample Type* (R,T,D,P, PS,PF)											TEMPERATURE AT RECEIPT (C)					
(This description will appear on the report)																3.8					
2	2nd floor hallway fountain (JWS 1)	/	Oct 19/17	6:06am	PS													X	✓	✓	JTR
1	2nd floor hallway fountain (JWS 1)	/	Oct 19/17	6:50am	PF													X	✓	✓	JTR
3	Bottom of stairs bottle filler (JWS 2)	/	Oct 19/17	6:05am	PS													X	✓	✓	JTR
4	Bottom of stairs bottle filler (JWS 2)	/	Oct 19/17	6:45am	PF													X	✓	✓	JTR
	East JK/SK kitchen sink (JWS 7)	/	Oct 18/17	6:16am	PS													X	✓	✓	JTR
	East JK/SK kitchen sink (JWS 7)	/	Oct 18/17	6:57am	PF													X	✓	✓	JTR
	West JK/SK kitchen sink EY room (JWS 9)	/	Oct 18/17	6:19am	PS													X	✓	✓	JTR
	West JK/SK kitchen sink EY room (JWS 9)	/	Oct 18/17	6:58am	PF													X	✓	✓	JTR
																		X			

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

SAMPLED BY (PRINT): Matthew Koun	SAMPLED BY (SIGNATURE): <i>Matthew Koun</i>	DATE/TIME RECEIVED AT LAB: 10/24/17 13:45	Other Comments/Cautions (Please identify known or suspected hazards)	CHECK TO LIST ON REPORT
SUBMITTED TO LAB BY (PRINT): Matthew Koun	SUBMITTED TO LAB BY (SIGNATURE): <i>Matthew Koun</i>	RECEIVED AT LAB BY: LS		