



CERTIFICATE OF ANALYSIS

Client: Mike Lavallee
Company: RDSB - Westmount Avenue Public School
Address: 69 Young St
Sudbury, ON, P3E 3G5
Phone/Fax: (705) 929-4787 / (705) 761-2442
Email: lavallm@rainbowschools.ca

Work Order Number: 314717
PO #: 706LW1736503
Regulation: O.Reg. 243/07
Project #:
DWS #: 500040288
Sampled By: Mike Lavallee

Date Order Received: 8/28/2017
Arrival Temperature: 5 °C

Analysis Started: 8/31/2017
Analysis Completed: 9/6/2017

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
161-T-001 (S)	909017	Treated Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	8/26/2017	8:00 AM
161-T-001 (F)	909018	Treated Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	8/26/2017	8:35 AM
161-F-001 (S)	909019	Treated Water	Plumbing		8/26/2017	8:05 AM
161-F-001 (F)	909020	Treated Water	Plumbing		8/26/2017	8:40 AM
161-T-002 (S)	909021	Treated Water	Plumbing		8/26/2017	8:10 AM
161-T-002 (F)	909022	Treated Water	Plumbing		8/26/2017	8:45 AM
161-B/F-001 (S)	909023	Treated Water	Plumbing		8/26/2017	8:15 AM
161-B/F-001 (F)	909024	Treated Water	Plumbing		8/26/2017	8:50 AM
161-F-002 (S)	909025	Treated Water	Plumbing		8/26/2017	8:20 AM
161-F-002 (F)	909026	Treated Water	Plumbing		8/26/2017	8:55 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
ICPMS Reg. Water (R13.1)	Garson	Determination of Metals in Water by ICP/MS	Based on SW846-6020A

REPORT COMMENTS

Standing: in Excess of 6hrs.
Lead exceedance reported for samples 909017 and 909018. 09/05/17 JC



TESTMARK Laboratories Ltd.

Committed to Quality and Service

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This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	161 - T - 001 (S)		161 - T - 001 (F)		161 - F - 001 (S)		161 - F - 001 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	909017		909018		909019		909020			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	14.4	0.1	12.3	0.1	1.1	0.1	0.5	0.1	ug/L	10

Sample Description	161 - T - 002 (S)		161 - T - 002 (F)		161 - B/F - 001 (S)		161 - B/F - 001 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	909021		909022		909023		909024			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	5.03	0.1	2.18 [2.08]	0.1	<0.1	0.1	<0.1	0.1	ug/L	10

Sample Description	161 - F - 002 (S)		161 - F - 002 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	909025		909026			
Metals	Result	MDL	Result	MDL		
Lead	5.41	0.1	1.04	0.1	ug/L	10

LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

[]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

Quality Control: All associated Quality Control data is available on request.

LCL: Lower Control Limit.

UCL: Upper Control Limit.

QAQCID: This is a unique reference to the quality control data set used to generate the reported value. Contact our lab for this information, as it is traceable through our LIMS.



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QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS.
QAQC details include only values where sufficient sample data allowed measurement.

Metals							
%RPD							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	0	0.5	20	20170901.R13-6o3	
Lead	N/A	%	0	4.7	20	20170901.R13-6o1	
Method Blank							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20170901.R13-6o1	
Lead	1	ug/L	0	<1	1	20170901.R13-6o3	
Positive Control							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	94.3	120	20170901.R13-6o3	
Lead	N/A	%	80	95.6	120	20170901.R13-6o1	
Reference Sample							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	95	120	20170901.R13-6o3	
Lead	N/A	% Rec	80	95.2	120	20170901.R13-6o1	
Sample Spike							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	86.1	130	20170901.R13-6o1	
Lead	N/A	% Rec	70	99.1	130	20170901.R13-6o3	



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THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
161 - B/F - 001 (F)	909024	ICPMS Reg. Water (R13.1)	20170901.R13-6o1	20170831.R52M
161 - B/F - 001 (S)	909023	ICPMS Reg. Water (R13.1)	20170901.R13-6o1	20170831.R52M
161 - F - 001 (F)	909020	ICPMS Reg. Water (R13.1)	20170901.R13-6o3	20170831.R52L
161 - F - 001 (S)	909019	ICPMS Reg. Water (R13.1)	20170901.R13-6o3	20170831.R52L
161 - F - 002 (F)	909026	ICPMS Reg. Water (R13.1)	20170901.R13-6o1	20170831.R52M
161 - F - 002 (S)	909025	ICPMS Reg. Water (R13.1)	20170901.R13-6o1	20170831.R52M
161 - T - 001 (F)	909018	ICPMS Reg. Water (R13.1)	20170901.R13-6o3	20170831.R52L
161 - T - 001 (S)	909017	ICPMS Reg. Water (R13.1)	20170901.R13-6o3	20170831.R52L
161 - T - 002 (F)	909022	ICPMS Reg. Water (R13.1)	20170901.R13-6o1	20170831.R52M
161 - T - 002 (F)	909022r	ICPMS Reg. Water (R13.1)	20170901.R13-6o1	20170831.R52M
161 - T - 002 (S)	909021	ICPMS Reg. Water (R13.1)	20170901.R13-6o3	20170831.R52L