



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

Client: Mark Bocy  
Company: RDSB - Sudbury Secondary School  
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Work Order Number: 349081  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500045930  
Sampled By: Mark Bocy

Date Order Received: 7/10/2018  
Arrival Temperature: 5 °C

Analysis Started: 7/16/2018  
Analysis Completed: 7/17/2018

### 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
F 138 BS (STANDING)	1359843	Water	Plumbing		7/10/2018	6:30 AM
F 138 BS (FLUSHED)	1359844	Water	Plumbing		7/10/2018	7:05 AM
T 222 R S	1359845	Water	Plumbing		7/10/2018	6:40 AM
T 222 R F	1359846	Water	Plumbing		7/10/2018	7:15 AM
F 217 S	1359847	Water	Plumbing		7/10/2018	6:50 AM
F 217 F	1359848	Water	Plumbing		7/10/2018	7:25 AM
F 203 S	1359849	Water	Plumbing		7/10/2018	7:00 AM
F 203 F	1359850	Water	Plumbing		7/10/2018	7:35 AM
T 101 D S	1359851	Water	Plumbing		7/10/2018	7:10 AM
T 101 D F	1359852	Water	Plumbing		7/10/2018	7:45 AM
F 113 S	1359853	Water	Plumbing		7/10/2018	7:20 AM
F 113 F	1359854	Water	Plumbing		7/10/2018	7:55 AM
T 119 S	1359855	Water	Plumbing		7/10/2018	7:30 AM
T 119 F	1359856	Water	Plumbing		7/10/2018	8:05 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	Modified from SW846-6020A



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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	F 138 BS (STANDING)		F 138 BS (FLUSHED)		T 222 R S		T 222 R F			
Lab ID	1359843		1359844		1359845		1359846			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1 [<0.1]	0.1	<0.1	0.1	0.8	0.1	0.15	0.1	ug/L	10
Sample Description	F 217 S		F 217 F		F 203 S		F 203 F			
Lab ID	1359847		1359848		1359849		1359850			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.98	0.1	2.29	0.1	<0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	T 101 D S		T 101 D F		F 113 S		F 113 F			
Lab ID	1359851		1359852		1359853		1359854			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	8.05	0.1	3.09	0.1	ug/L	10
Sample Description	T 119 S		T 119 F							
Lab ID	1359855		1359856							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.6	0.1	<0.1	0.1	ug/L	10				



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### 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							
<b>Positive Control: LFB-7 (N 100 µg/L) (7)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	91.5	120	20180717.R13.1C	
<b>Sample Spike: LFMS-9 (N 100 µg/L) (9)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	87.9	130	20180717.R13.1C	
<b>Reference Sample: CRM-12 (EP-L-3) (12)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	ug/L	3.65	3.91	4.35	20180717.R13.1C	
<b>Method Blank: LRB-6 (Blank- µg/L) (6)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20180717.R13.1C	



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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
F 113 F	1359854	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 113 S	1359853	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 138 BS (FLUSHED)	1359844	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 138 BS (STANDING)	1359843	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 138 BS (STANDING)	1359843r	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 203 F	1359850	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 203 S	1359849	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 217 F	1359848	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
F 217 S	1359847	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
T 101 D F	1359852	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
T 101 D S	1359851	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
T 119 F	1359856	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
T 119 S	1359855	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
T 222 R F	1359846	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W
T 222 R S	1359845	ICPMS Reg. Water (R13.1)	20180717.R13.1C	20180716.A52W