



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

Client: Mark Bocy  
Company: RDSB - R.H. Murray Public School  
Address: 69 Young St.  
Sudbury, ON, P3E 3G5  
Phone/Fax: (705) 674-3171 / (705) 761-2442  
Email: bocym@rainbowschools.ca

Work Order Number: 347312  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500046060  
Sampled By: Steve McCulloch

Date Order Received: 6/19/2018  
Arrival Temperature: 16 °C

Analysis Started: 6/21/2018  
Analysis Completed: 6/26/2018

### 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
2 Standing	1353575	Water	Plumbing		6/19/2018	7:00 AM
2 Flushed	1353576	Water	Plumbing		6/19/2018	7:35 AM
1 Standing	1353577	Water	Plumbing		6/19/2018	7:05 AM
1 Flushed	1353578	Water	Plumbing		6/19/2018	7:40 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

### REPORT COMMENTS

ESTIMATED STANDING TIME: 10hrs.

This report has been approved by:

Khaled Omari, Ph.D.  
Laboratory Director



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

RDSB - R.H. Murray Public School

Work Order Number: 347312

### WORK ORDER RESULTS

Sample Description	2 Standing		2 Flushed		1 Standing		1 Flushed		Units	Criteria: O.Reg. 243/07
Lab ID	1353575		1353576		1353577		1353578			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	1.34	0.1	0.16	0.1	0.85	0.1	0.39 [0.4]	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.



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

**CERTIFICATE OF ANALYSIS**

RDSB - R.H. Murray Public School

Work Order Number: 347312

**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****Reference Sample: CRM-12 (EP-L-3) (12)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	ug/L	3.65	3.88	4.35	20180625.R13.1D
Lead	N/A	ug/L	3.65	3.92	4.35	20180626.R13.1J

**Sample Spike: LFMS-9 (N 100 µg/L) (9)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	88.9	130	20180626.R13.1J
Lead	N/A	% Rec	70	88.4	130	20180625.R13.1D

**%RPD: % RPD (4)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20180626.R13.1J

**Method Blank: LRB-6 (Blank- µg/L) (6)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20180626.R13.1J
Lead	1	ug/L	0	<1	1	20180625.R13.1D

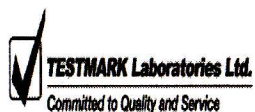
**Positive Control: LFB-7 (N 100 µg/L) (7)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	90.7	120	20180625.R13.1D
Lead	N/A	%	80	92.7	120	20180626.R13.1J

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
1 Flushed	1353578	ICPMS Reg. Water (R13.1)	20180625.R13.1D	20180621.A52H
1 Flushed	1353578r	ICPMS Reg. Water (R13.1)	20180625.R13.1D	20180621.A52H
1 Standing	1353577	ICPMS Reg. Water (R13.1)	20180625.R13.1D	20180621.A52H
2 Flushed	1353576	ICPMS Reg. Water (R13.1)	20180625.R13.1D	20180621.A52H
2 Standing	1353575	ICPMS Reg. Water (R13.1)	20180626.R13.1J	20180625.A52D





Regulation/Guideline Selection Criteria Menu:

O.Reg. 243/07

Method	Parameter	Unit	Reg Value	Sample #	Description	Sampling Date	Reg Unit	1353575	1353576	1353577	1353578	1353578 (Dup)
ICPMS Re Lead		ug/L	10		2 Standing	2018-06-19	Water	1.34	0.16	0.85	0.39	0.4

Please note that the term Reg. Value in the context of this spreadsheet may refer to regulatory limits, regulatory guidelines, standards or objectives set out by government regulation, or site-specific. Highlighted results indicate a measured value that exceeds the reported Reg. Value.

Highlighted units indicate a discrepancy with the Reg. Unit. This may affect the functionality of the report to properly indicate an exceeded value. Measured values and units should be conveyed. TESTMARK Laboratories Ltd. has included the criteria values set by the appropriate government agency as part of this spreadsheet for purposes of reference only.

These values may or may not accurately reflect the current values prescribed by government regulation and it is the Client's responsibility to compare the results reported herein with official government values. Should any discrepancies be discovered or should you have any questions or comments regarding the information in this spreadsheet, please contact TESTMARK Laboratories Ltd. by phone. This spreadsheet contains condensed and summarized material and is not intended to replace the Analytical Report, but to be used as a convenience and comparison tool only. For full analytical results, please refer to the Analytical Report.

Work Order #	Sample #	SampleDate	Matrix	Sample Description	Method	Parameter	MDL	Result	Units
347312	1353575	19/06/2018	Water	2 Standing	ICPMS Reg. Water	Lead	0.1	1.34	ug/L
347312	1353576	19/06/2018	Water	2 Flushed	ICPMS Reg. Water	Lead	0.1	0.16	ug/L
347312	1353577	19/06/2018	Water	1 Standing	ICPMS Reg. Water	Lead	0.1	0.85	ug/L
347312	1353578	19/06/2018	Water	1 Flushed	ICPMS Reg. Water	Lead	0.1	0.39	ug/L
347312	1353578	19/06/2018	Water	1 Flushed	ICPMS Reg. Water	Lead (Dup)	0.1	0.4	ug/L