



**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



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### WORK ORDER RESULTS

Sample Description	2 Standing		2 Flushed		1 Standing		1 Flushed			
Lab ID	1353575		1353576		1353577		1353578			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
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.

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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>Reference Sample: CRM-12 (EP-L-3) (12)</b>							
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	
<b>Sample Spike: LFMS-9 (N 100 µg/L) (9)</b>							
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	
<b>%RPD: % RPD (4)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	0	0	20	20180626.R13.1J	
<b>Method Blank: LRB-6 (Blank- µg/L) (6)</b>							
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	
<b>Positive Control: LFB-7 (N 100 µg/L) (7)</b>							
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

**DRINKING WATER CHAIN OF CUSTODY FORM**

Please use our General Chain of Custody Form for non-drinking water sample submissions

<b>REPORT TO:</b> Client: <u>RDSB - Robert H. Murray P.S.</u> Address: <u>3 Henry Street</u> <u>Whitefish, ON P0M 3E0</u> Contact: <u>Mark Bocy</u> <i>Steve McCulloch</i> Email: <u>bocym@rainbowschools.ca; lavallm@rainbowschools.ca</u> Phone: <u>705-674-3171</u> Fax: <u>(mccull@rainbowschools.ca)</u>					<b>INVOICE TO: (if different from Report)</b> Client: _____ Address: _____ Contact: _____ Email: _____ Phone: _____ Fax: _____					<b>PROJECT INFORMATION:</b> TM Quote #: _____ Client P.O. #: _____ Client Project #: _____																																																											
<b>REPORTING/INVOICING FORMAT</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail <b>QC DATA REPORTED</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>SAMPLE DISPOSAL</b> <input type="checkbox"/> Hold <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return			<b>TURN AROUND TIME (TAT)*</b> <input type="checkbox"/> 1 Business Day <input type="checkbox"/> 2 Business Days <input type="checkbox"/> 3 Business Days <input checked="" type="checkbox"/> Standard <b>SPECIFIC DATE:</b> <u>Wed 27</u> <small>* Prior arrangements must be made for rush/weekend/holiday work</small>			<b>ANALYSIS REQUESTED</b> <table border="1" style="width:100%; height: 100px;"> <tr><td>Free</td><td>Total</td><td>Residual Chlorine</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>								Free	Total	Residual Chlorine																					<b>LABORATORY USE ONLY</b> WORK ORDER NUMBER: <u>347312</u> CONTAINERS RECEIVED: <u>16</u>																																
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<b>SAMPLING</b> <table border="1" style="width:100%; text-align: center;"> <thead> <tr> <th rowspan="2">DATE (mm-dd-yy)</th> <th rowspan="2">TIME</th> <th colspan="4">Type**</th> <th rowspan="2">SAMPLE DESCRIPTION</th> <th rowspan="2">Water Trax # (if appl)</th> <th rowspan="2">Resample (Yes or No?)</th> <th rowspan="2">ICPMS 1 (Pb)</th> </tr> <tr> <th>R</th> <th>T</th> <th>D</th> <th>P</th> </tr> </thead> <tbody> <tr> <td><u>Jun 19/18</u></td> <td><u>7:00</u></td> <td></td> <td></td> <td></td> <td>X</td> <td><u>2</u> (Standing)</td> <td></td> <td>X</td> </tr> <tr> <td><u>↓</u></td> <td><u>7:35</u></td> <td></td> <td></td> <td></td> <td>X</td> <td><u>2</u> (Flushed)</td> <td></td> <td>X</td> </tr> <tr> <td><u>↓</u></td> <td><u>7:05</u></td> <td></td> <td></td> <td></td> <td>X</td> <td><u>1</u> Standing</td> <td></td> <td>X</td> </tr> <tr> <td><u>↓</u></td> <td><u>7:40</u></td> <td></td> <td></td> <td></td> <td>X</td> <td><u>1</u> Flushed</td> <td></td> <td>X</td> </tr> </tbody> </table>		DATE (mm-dd-yy)	TIME	Type**				SAMPLE DESCRIPTION	Water Trax # (if appl)	Resample (Yes or No?)	ICPMS 1 (Pb)	R	T	D	P	<u>Jun 19/18</u>	<u>7:00</u>				X	<u>2</u> (Standing)		X	<u>↓</u>	<u>7:35</u>				X	<u>2</u> (Flushed)		X	<u>↓</u>	<u>7:05</u>				X	<u>1</u> Standing		X	<u>↓</u>	<u>7:40</u>				X	<u>1</u> Flushed		X																		
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<b>**Type: R=Raw, T=Entry/Treated, D=Distribution, P=Plumbing (O.REG. 170 / O.REG. 318 / 319 / O.REG. 243)</b>  <b>Adverse and Exceedance Notification Information:</b> Name: <u>Mark Bocy</u> Cell: <u>705-690-0323</u> Phone: <u>705-671-3174 x 7231</u> Fax: <u>705-761-2442</u>					<b>REGULATION</b> Waterworks # <u>500046060</u> <input type="checkbox"/> O. REG. 170 <input type="checkbox"/> O. REG. 318/319 <input checked="" type="checkbox"/> O. REG. 243 <input type="checkbox"/> ODWS LSN Form Submitted to MOE/PHU? <input type="checkbox"/> Not Applicable <input type="checkbox"/> Yes <input type="checkbox"/> No Are these water samples for human consumption? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are the results reportable as per O. REG. 170/318/319? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																
<b>COMMENTS/FIELD NOTES:</b> <u>Please use date and time from Chain of Custody Form</u> <b>ESTIMATED STANDING TIME:</b> <u>10 hrs</u>					O. REG. 170/318/319 Only: Phone: <u>705-522-9200</u> Public Health Unit: <u>SDHU</u> Fax: <u>705-677-9607</u> Relinquished to Testmark By (Signature) _____ Date _____ Time _____ Shipped By <u>Hand</u> Shipping Reference <u>027037</u> Received at Testmark By _____ Date <u>6/19/18</u> Time <u>1250</u>																																																																

*Mike 6.*

7 Margaret Street, Garson, ON, P3L 1E1 • 705-693-1121 (P) • 705-693-1124 (F) • customer.service@testmark.ca  
 100 Wilson Ave., Suite 102, Timmins, ON, P4N 2S9 • 705-531-1121 (P) • 705-531-1125 (F) • timmins@testmark.ca  
 6820 Kitimat Road Unit #1, Mississauga, ON, L5N 5M3 • 905-821-1112 (P) • 905-821-2095 (F) • csr-mississauga@testmark.ca

