

**TESTMARK Laboratories Ltd.***Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Client: Mark Bocy  
Company: RDSB - Princess Anne 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: 346716  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500053418  
Sampled By: Mark Bocy

Date Order Received: 6/13/2018  
Arrival Temperature: 23 °C

Analysis Started: 6/19/2018  
Analysis Completed: 6/20/2018

## 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
T 184 (Standing)	1351017	Water	Plumbing		6/13/2018	6:30 AM
T 184 (Flushed)	1351018	Water	Plumbing		6/13/2018	7:05 AM
F 104 S	1351019	Water	Plumbing		6/13/2018	6:40 AM
F 104 F	1351020	Water	Plumbing		6/13/2018	7:15 AM
T 144 S	1351021	Water	Plumbing		6/13/2018	6:50 AM
T 144 F	1351022	Water	Plumbing		6/13/2018	7:25 AM
T 143 S	1351023	Water	Plumbing		6/13/2018	7:00 AM
T 143 F	1351024	Water	Plumbing		6/13/2018	7:35 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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## CERTIFICATE OF ANALYSIS

RDSB - Princess Anne Public School

Work Order Number: 346716

This report has been approved by:

Khaled Omari, Ph.D.  
Laboratory Director



## CERTIFICATE OF ANALYSIS

RDSB - Princess Anne Public School

Work Order Number: 346716

### WORK ORDER RESULTS

Sample Description	T 184 (Standing)		T 184 (Flushed)		F 104 S		F 104 F			
Lab ID	1351017		1351018		1351019		1351020			
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	0.1	<0.1	0.1	ug/L	10

  

Sample Description	T 144 S		T 144 F		T 143 S		T 143 F			
Lab ID	1351021		1351022		1351023		1351024			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.11	0.1	<0.1	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.

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.



## CERTIFICATE OF ANALYSIS

RDSB - Princess Anne Public School

Work Order Number: 346716

### 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

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20180620.R13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	ug/L	3.65	3.69	4.35	20180620.R13.1D

##### %RPD: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20180620.R13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	86.4	120	20180620.R13.1D

##### Sample Spike: LFMS-10 (N 100 µg/L) (10)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	87	130	20180620.R13.1D

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 104 F	1351020	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
F 104 S	1351019	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 143 F	1351024	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 143 S	1351023	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 144 F	1351022	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 144 S	1351021	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 184 (Flushed)	1351018	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 184 (Standing)	1351017	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M



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

REPORT TO:	INVOICE TO: (if different from Report)	PROJECT INFORMATION:																																																																																																																																																				
Client: <b>RDSB - Princess Anne P.S.</b>	Client: _____	TM Quote #: _____																																																																																																																																																				
Address: <b>500 Douglas Street West</b>	Address: _____	Client P.O. #: _____																																																																																																																																																				
<b>Sudbury, ON P3C 2X8</b>	_____	Client Project #: _____																																																																																																																																																				
Contact: <b>Mark Bocy</b>	Contact: _____	_____																																																																																																																																																				
Email: <b>bocym@rainbowschools.ca; lavallm@rainbowschools.ca</b>	Email: _____	_____																																																																																																																																																				
Phone: <b>705-674-3171</b> Fax: _____	Phone: _____ Fax: _____																																																																																																																																																					
<b>REPORTING/INVOICING FORMAT</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	<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>LABORATORY USE ONLY</b> WORK ORDER NUMBER: <div style="font-size: 2em; color: red; text-align: center;">346716</div>																																																																																																																																																				
<b>QC DATA REPORTED</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>ANALYSIS REQUESTED</b> <div style="display: flex; justify-content: space-between;"> <div> <b>Resample (Yes or No?)</b>  <input type="checkbox"/> Yes <input type="checkbox"/> No           </div> <div> <b>ICPMS 1 (Pb)</b>  <input type="checkbox"/> Yes <input type="checkbox"/> No           </div> <div> <b>Residual Chlorine</b>  <input type="checkbox"/> Free <input type="checkbox"/> Total           </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <b>CONTAINERS RECEIVED</b>  <div style="font-size: 2em; color: red; text-align: center;">346716</div> </div>																																																																																																																																																				
<b>SAMPLE DISPOSAL</b> <input type="checkbox"/> Hold <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return	<b>SPECIFIC DATE:</b> <span style="color: red; font-size: 1.2em;">Thurs 24</span> <small>* Prior arrangements must be made for rush/weekend/holiday work</small>																																																																																																																																																					
<b>SAMPLING</b> <table border="1" style="width:100%; border-collapse: collapse;"> <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> <th rowspan="2">Residual Chlorine Free</th> <th rowspan="2">Residual Chlorine Total</th> <th rowspan="2">CONTAINERS RECEIVED</th> <th rowspan="2">TEMP</th> <th rowspan="2">Btl. Type</th> <th rowspan="2">Lab ID</th> </tr> <tr> <th>R</th> <th>T</th> <th>D</th> <th>P</th> </tr> </thead> <tbody> <tr> <td>6-13-18</td> <td>6:30</td> <td></td> <td></td> <td></td> <td>X</td> <td>T 184 (Standing)</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>1</td> <td>23</td> <td>1UP</td> <td>1351017</td> </tr> <tr> <td>6-13-18</td> <td>7:05</td> <td></td> <td></td> <td></td> <td>X</td> <td>T 184 (Flushed)</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351018</td> </tr> <tr> <td>6-13-18</td> <td>6:40</td> <td></td> <td></td> <td></td> <td>X</td> <td>F 104 S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351019</td> </tr> <tr> <td>6-13-18</td> <td>7:05</td> <td></td> <td></td> <td></td> <td>X</td> <td>F 104 F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351020</td> </tr> <tr> <td>6-13-18</td> <td>6:50</td> <td></td> <td></td> <td></td> <td>X</td> <td>T 144 S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351021</td> </tr> <tr> <td>6-13-18</td> <td>7:25</td> <td></td> <td></td> <td></td> <td>X</td> <td>T 144 F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351022</td> </tr> <tr> <td>6-13-18</td> <td>7:00</td> <td></td> <td></td> <td></td> <td>X</td> <td>T 143 S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351023</td> </tr> <tr> <td>6-13-18</td> <td>7:35</td> <td></td> <td></td> <td></td> <td>X</td> <td>T 143 F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1351024</td> </tr> </tbody> </table>	DATE (mm-dd-yy)	TIME	Type**				SAMPLE DESCRIPTION	Water Trax # (if appl)	Resample (Yes or No?)	ICPMS 1 (Pb)	Residual Chlorine Free	Residual Chlorine Total	CONTAINERS RECEIVED	TEMP	Btl. Type	Lab ID	R	T	D	P	6-13-18	6:30				X	T 184 (Standing)		X				1	23	1UP	1351017	6-13-18	7:05				X	T 184 (Flushed)		X				1			1351018	6-13-18	6:40				X	F 104 S						1			1351019	6-13-18	7:05				X	F 104 F						1			1351020	6-13-18	6:50				X	T 144 S						1			1351021	6-13-18	7:25				X	T 144 F						1			1351022	6-13-18	7:00				X	T 143 S						1			1351023	6-13-18	7:35				X	T 143 F						1			1351024		
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<b>**Type:</b> R=Raw, T=Entry/Treated, D=Distribution, P=Plumbing (O.REG. 170 / O.REG. 318 / 319 / O.REG. 243)	<b>REGULATION</b> Waterworks # <b>500053418</b> <input type="checkbox"/> O. REG. 170 <input type="checkbox"/> O. REG. 318/319 <input checked="" type="checkbox"/> O. REG. 243 <input type="checkbox"/> ODWS	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Yes <input type="checkbox"/> No LSN Form Submitted to MOE/PHU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are these water samples for human consumption? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are the results reportable as per O. REG. 170/318/319? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																																																																																																				
<b>Adverse and Exceedance Notification Information:</b> Name: <b>Mark Bocy</b> Cell: <b>705-690-0323</b> Phone: <b>705-671-3174 x 7231</b> Fax: <b>705-761-2442</b>	<b>COMMENTS/FIELD NOTES:</b> O. REG. 170/318/319 Only: _____ Public Health Unit: <b>SDHU</b> Relinquished to Testmark By (Signature) <i>Mark Bocy</i>	Phone: <b>705-522-9200</b> Fax: <b>705-677-9607</b> Date <b>2018-6-13</b> Time <b>10:18</b>																																																																																																																																																				
<b>ESTIMATED STANDING TIME:</b> Sampled By (Print and Sign) <i>Mark Bocy</i> Date <b>2018-6-13</b> Time <b>10:18</b>	Shipped By <i>Hand</i>	Shipping Reference <b>NA</b>																																																																																																																																																				
Received By (Print and Sign) _____ Date _____ Time _____	Received at Testmark By <i>Hand</i> Date <b>06/13/18</b> Time <b>10:20</b>																																																																																																																																																					

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\*\*\* Please contact Customer Service for assistance with customized CofC's for Schedule 15.1 testing.

Please use separate CofC's for each Waterworks. Samples must be received below 10°C with evidence that an attempt was made to ensure adequate cooling.

CONFIRMATION REPORT



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Client: Mark Bocy  
Company: RDSB - Princess Anne Public School  
Address: 69 Young St  
Sudbury, ON, P3E 3G5  
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Work Order Number: 346718  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500053418  
Sampled By: Mark Bocy

Date Order Received: 6/13/2018  
Arrival Temperature: 23 °C

Analysis Started: 6/19/2018  
Analysis Completed: 6/20/2018

## 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
T 109 (Standing)	1351033	Water	Plumbing		6/13/2018	7:10 AM
T 109 (Flushed)	1351034	Water	Plumbing		6/13/2018	7:45 AM
F 212 S	1351035	Water	Plumbing		6/13/2018	7:20 AM
F 212 F	1351036	Water	Plumbing		6/13/2018	7:55 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	Modified from SW846-6020A

This report has been approved by:

Khaled Omari, Ph.D.  
Laboratory Director



## CERTIFICATE OF ANALYSIS

RDSB - Princess Anne Public School

Work Order Number: 346718

### WORK ORDER RESULTS

Sample Description	T 109 (Standing)		T 109 (Flushed)		F 212 S		F 212 F			
Lab ID	1351033		1351034		1351035		1351036			
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 [<0.1]	0.1	<0.1	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 - Princess Anne Public School

Work Order Number: 346718

**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: % RPD (4)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20180620.R13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	ug/L	3.65	3.69	4.35	20180620.R13.1D
Lead	N/A	ug/L	3.65	3.69	4.35	20180620.R13.1E

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	86.4	120	20180620.R13.1D
Lead	N/A	%	80	86.5	120	20180620.R13.1E

**Sample Spike: LFMS-10 (N 100 µg/L) (10)**

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	87	130	20180620.R13.1D
Lead	N/A	% Rec	70	85.1	130	20180620.R13.1E

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20180620.R13.1E
Lead	1	ug/L	0	<1	1	20180620.R13.1D

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 212 F	1351036	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
F 212 S	1351035	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
F 212 S	1351035r	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
T 109 (Flushed)	1351034	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M
T 109 (Standing)	1351033	ICPMS Reg. Water (R13.1)	20180620.R13.1D	20180619.A52M





## DRINKING WATER CHAIN OF CUSTODY FORM

Page 1 of 1

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

[illegible]

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6820 Kitimat Road Unit #1, Mississauga, ON, L5N 5M3 • 905-821-1112 (P) • 905-821-2095 (F) • csr-mississauga@testmark.ca

Please use separate CofC's for each Waterworks. Samples must be received below 10°C with evidence that an attempt was made to ensure adequate cooling.

CONFIRMATION REPORT  
SENT