

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

## CERTIFICATE OF ANALYSIS

Client: Mike Lavallee  
Company: RDSB - Alexander Public School  
Address: 39 Brendan  
Sudbury, ON, P3E 1K3  
Phone/Fax: (705) 674-3171 / (705) 761-2442  
Email: lavallm@rainbowschools.ca

Work Order Number: 346508  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500046021  
Sampled By: Mark Bocy

Date Order Received: 6/12/2018  
Arrival Temperature: 20 °C

Analysis Started: 6/14/2018  
Analysis Completed: 6/15/2018

## 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
T2 (Standing)	1106885	Water	Plumbing		6/12/2018	6:30 AM
T2 (Flushed)	1106886	Water	Plumbing		6/12/2018	7:05 AM
T5 S	1106887	Water	Plumbing		6/12/2018	6:50 AM
T5 F	1106888	Water	Plumbing		6/12/2018	7:25 AM
T23 R DC S	1106889	Water	Plumbing		6/12/2018	7:10 AM
T23 R DC F	1106890	Water	Plumbing		6/12/2018	7:45 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 - Alexander Public School

Work Order Number: 346508

### WORK ORDER RESULTS

Sample Description	T2 (Standing)		T2 (Flushed)		T5 S		T5 F			
Lab ID	1106885		1106886		1106887		1106888			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.47 [0.47]	0.1	0.22	0.1	0.62	0.1	0.82	0.1	ug/L	10

Sample Description	T23 R DC S		T23 R DC F			
Lab ID	1106889		1106890			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.16	0.1	0.12	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 - Alexander Public School

Work Order Number: 346508

**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	20180615.R13-5o2

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	91.7	120	20180615.R13-5o2

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	80	100	120	20180615.R13-5o2

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	97.4	130	20180615.R13-5o2

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
T2 (Flushed)	1106886	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T2 (Standing)	1106885	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T2 (Standing)	1106885r	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T23 R DC F	1106890	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T23 R DC S	1106889	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T5 F	1106888	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T5 S	1106887	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V



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

7 Margaret Street, Garson, ON, P3L 1E1 • 705-693-1121 (P) • 705-693-1124 (F) • [customer.service@testmark.ca](mailto:customer.service@testmark.ca)

100 Wilson Ave., Suite 102, Timmins, ON, P4N 2S9 • 705-531-1121 (P) • 705-531-1125 (F) • [timmins@testmark.ca](mailto:timmins@testmark.ca)

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

\*\*\* 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**  
**SENT**

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

## CERTIFICATE OF ANALYSIS

Client: Mark Bocy  
Company: RDSB - Alexander Public School  
Address: 39 Brendan  
Sudbury, ON, P3E 1K3  
Phone/Fax: (705) 674-3171 / (705) 761-2442  
Email: bocym@rainbowschools.ca

Work Order Number: 346914  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500046021  
Sampled By: Mark Bocy

Date Order Received: 6/15/2018  
Arrival Temperature: 8 °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
F2 (Standing)	1351836	Water	Plumbing		6/13/2018	7:00 AM
F2 (Flushed)	1351837	Water	Plumbing		6/13/2018	7:35 AM
F gym S	1351838	Water	Plumbing		6/13/2018	7:10 AM
F gym F	1351839	Water	Plumbing		6/13/2018	7:45 AM
F19 S	1351840	Water	Plumbing		6/13/2018	7:20 AM
F19 F	1351841	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 - Alexander Public School

Work Order Number: 346914

### WORK ORDER RESULTS

Sample Description	F2 (Standing)		F2 (Flushed)		F gym S		F gym F		Units	Criteria: O.Reg. 243/07
Lab ID	1351836		1351837		1351838		1351839			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	0.27 [0.28]	0.1	0.29	0.1	0.28	0.1	0.33	0.1	ug/L	10

Sample Description	F19 S		F19 F		Units	Criteria: O.Reg. 243/07
Lab ID	1351840		1351841			
Metals	Result	MDL	Result	MDL		
Lead	<0.1	0.1	<0.1	0.1	ug/L	10

### LEGEND

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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 - Alexander Public School

Work Order Number: 346914

### 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	3.8	4.35	20180620.R13.1G

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	88.6	120	20180620.R13.1G

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

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

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	88.2	130	20180620.R13.1G

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 gym F	1351839	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U
F gym S	1351838	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U
F19 F	1351841	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U
F19 S	1351840	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U
F2 (Flushed)	1351837	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U
F2 (Standing)	1351836	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U
F2 (Standing)	1351836r	ICPMS Reg. Water (R13.1)	20180620.R13.1G	20180619.A52U



**TESTMARK Laboratories**  
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# DRINKING WATER CHAIN OF CUSTODY FORM

V-TM-DW-2012-3.0

Page 1 of 1

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

**REPORT TO:** *RDSB-Alexander Public School*

**Client:** RDSB - Alexander P.S.  
**Address:** 39 Brendan Street  
Sudbury, ON P3E 1K3  
**Contact:** Mark Bocy  
**Email:** bocym@rainbowschools.ca; lavallm@rainbowschools.ca  
**Phone:** 705-674-3171 **Fax:**

**INVOICE TO: (if different from Report)**

**Client:**  
**Address:**  
**Contact:**  
**Email:**  
**Phone:** **Fax:**

**PROJECT INFORMATION:**

**TM Quote #:**  
**Client P.O. #:**  
**Client Project #:**

**REPORTING/INVOICING FORMAT**

☐ Fax ☒ Email ☐ Mail

**QC DATA REPORTED**

☒ Yes ☐ No

**SAMPLE DISPOSAL**

☐ Hold ☒ Dispose ☐ Return

**SAMPLING**

**DATE** (mm-dd-yy) **TIME** **Type\*\***

R T D P

6-13-18 7:00 X

6-13-18 7:35 X

6-13-18 7:10 X

6-13-18 7:45 X

6-13-18 7:30 X

6-13-18 7:55 X

**TURN AROUND TIME (TAT)\***

☐ 1 Business Day ☐ 2 Business Days

☐ 3 Business Days ☒ Standard

**SPECIFIC DATE:** *Mon 25*

\* Prior arrangements must be made for rush/weekend/holiday work

**SAMPLE DESCRIPTION**

**Water Trax # (if appl)**

F2 (Standing)

F2 (Flushed)

F gym F

F gym F

F gym F

F gym F

F gym F

Resample (Yes or No?)

ICPMS 1 (Pb)

**ANALYSIS REQUESTED**

Residual Chlorine

Free

Total

**LABORATORY USE ONLY**

**WORK ORDER NUMBER:**

*346914*

**TEMP** **Btl. Type** **Lab ID**

8 1L 1351836

1351837

1351838

1351839

1351840

1351841

\*\*Type: R=Raw, T=Entry/Treated, D=Distribution, P=Plumbing (O.REG. 170 / O.REG. 318 / 319 / O.REG. 243)

**Adverse and Exceedance Notification Information:**

**Name:** Mark Bocy **Cell:** 705-690-0323

**Phone:** 705-671-3174 x 7231 **Fax:** 705-761-2442

**COMMENTS/FIELD NOTES:**

**ESTIMATED STANDING TIME:**

**Sampled By (Print and Sign)**

*Mark Bocy*

**Date**

*2018-6-15*

**Time**

*9:18*

**Received By (Print and Sign)**

**Date**

**Time**

**REGULATION**

**Waterworks #** 500046021

☐ O. REG. 170

☐ O. REG. 318/319

☒ O. REG. 243

☐ ODWS

**LSN Form Submitted to MOE/PHU?**

☐ Not Applicable

☐ Yes

☐ No

**Are these water samples for human consumption?**

☒ Yes

☐ No

**Are the results reportable as per O. REG. 170/318/319?**

☐ Yes

☒ No

**O. REG. 170/318/319 Only:**

**Public Health Unit:** SDHU

**Phone:** 705-522-9200

**Fax:** 705-677-9607

**Relinquished to Testmark By (Signature)**

*Mark Bocy*

**Date**

*2018-6-15*

**Time**

*9:18*

**Shipped By**

*Hand*

**Shipping Reference**

*na*

**Received at Testmark By**

*Hand*

**Date**

*6/15/18*

**Time**

*9:19*

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

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

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

**CONFIRMATION REPORT SENT**

*7-5-18 5:00 PM*