

#### **TESTMARK** Laboratories Ltd.

Committed to Quality and Service

# **CERTIFICATE OF ANALYSIS**

Client: Company:	Mike Lavallee RDSB - Algonquin Rd. Public School	Work Order Number: PO #:	346506
Address:	2650 Algonquin Road E Sudbury, ON, P3E 4X6	Regulation: Project #:	O.Reg. 243/07
Phone/Fax:	(705) 674-3171 / (705) 761-2442	DWS #:	500044435
Email:	lavallm@rainbowschools.ca	Sampled By:	Mark Bocy
Date Order Received: Arrival Temperature:	6/12/2018 20 °C	Analysis Started: Analysis Completed:	6/14/2018 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	Туре	Comments	Date Collected	Time Collected
T22 (Standing)	1106880	Water	Plumbing		6/12/2018	7:10 AM
T22 (Flushed)	1106881	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



RDSB - Algonquin Rd. Public School

# WORK ORDER RESULTS

Work Order Number: 346506

Sample Description Lab ID	•	<b>anding)</b> 6880		l <b>ushed)</b> 6881		
Metals	Result MDL		Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.23 [0.23]	0.1	0.16	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.



RDSB - Algonquin Rd. Public School

Work Order Number: 346506

### 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 (Blan	ık- μg/L) (6)					
Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20180615.R13-5o1
Positive Control: LFB-7 (N	100 µg/L) (7)					
Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	90.9	120	20180615.R13-5o1
Reference Sample: CRM-1	2 (EP-L-3) (12)					
Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	80	99.2	120	20180615.R13-5o1
Sample Spike: LFMS-10 (N	l 100 μg/L) (10)					
Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	91.9	130	20180615.R13-5o1

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
T22 (Flushed)	1106881	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
T22 (Standing)	1106880	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
T22 (Standing)	1106880r	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M



## DRINKING WATER CHAIN OF CUSTODY FORM

V-TM-DW-2012-3.0 of

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Contact:	2			Mike Lava	llee		Cor	ntact:	_										-	Clie	nt Project #	:		
Email:				lavallm@rainbow	schools.ca		Em	Email:																
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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

\*\*\* 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.



#### **TESTMARK** Laboratories Ltd.

Committed to Quality and Service

# **CERTIFICATE OF ANALYSIS**

Client: Company:	Mike Lavallee RDSB - Algonquin Rd. Public School	Work Order Number: PO #:	346511
Address:	2650 Algonquin Road E Sudbury, ON, P3E 4X6	Regulation: Project #:	O.Reg. 243/07
Phone/Fax: Email:	(705) 674-3171 / (705) 761-2442 lavallm@rainbowschools.ca	DWS #: Sampled By:	500044435 Mark Bocy
Date Order Received:	6/12/2018	Analysis Started:	6/14/2018
Arrival Temperature:	20 °C	Analysis Started. 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	Туре	Comments	Date Collected	Time Collected
FB25 (Standing)	1106893	Water	Plumbing		6/12/2018	6:30 AM
FB25 (Flushed)	1106894	Water	Plumbing		6/12/2018	7:05 AM
F 32 S	1106895	Water	Plumbing		6/12/2018	6:40 AM
F 32 F	1106896	Water	Plumbing		6/12/2018	7:15 AM
T 20 S	1106897	Water	Plumbing		6/12/2018	6:50 AM
T 20 F	1106898	Water	Plumbing		6/12/2018	7:25 AM
F8S	1106899	Water	Plumbing		6/12/2018	7:00 AM
F8F	1106900	Water	Plumbing		6/12/2018	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



RDSB - Algonquin Rd. Public School

This report has been approved by:

Khaled Omari, Ph.D. Laboratory Director Work Order Number: 346511



RDSB - Algonquin Rd. Public School

Work Order Number: 346511

# WORK ORDER RESULTS

Sample Description Lab ID		<b>tanding)</b> 5893	FB25 (Flushed) 1106894			<b>2 S</b> 6895		<b>2 F</b> 5896		
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	2.31	0.1	0.76	0.1	ug/L	10
Sample Description Lab ID	<b>T 2</b> 1106	<b>0 S</b> 6897		<b>T 20 F</b> 1106898		<b>F 8 S</b> 1106899		<b>F 8 F</b> 1106900		
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.65	0.1	0.41	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.

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.



RDSB - Algonquin Rd. Public School

Work Order Number: 346511

## 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		
F 32 F	1106896	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
F 32 S	1106895	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
F8F	1106900	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
F8S	1106899	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
FB25 (Flushed)	1106894	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
FB25 (Standing)	1106893	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
T 20 F	1106898	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		
T 20 S	1106897	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V		

**TESTMARK** Laboratories Comm

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			'							EGULATION						VO. 1	REG.	243		WS	0.000		
Adverse and Exceedance Notification Information: Name: Mark Bocy Cell: 705-690-0323								SULA				nitted							cable	Yes	No		
Mark Bocy         Cell:         705-690-0323           Phone:         705-671-3174 x 7231         Fax:         705-761-2442							REG	Are th	nese v	vate	r samp	les fo	r huma	an co	nsun	nptio	n?		Yes	- No			
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Please use separate CofC's for each Waterworks. Samples must be received below-Lost Avith evidence mat an attempt was made to ensure adequate cooling. NEPORT SENT