



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client: Mike Lavallee
Company: RDSB - Algonquin Rd. Public School
Address: 2650 Algonquin Road E
Sudbury, ON, P3E 4X6
Phone/Fax: (705) 674-3171 / (705) 761-2442
Email: lavallm@rainbowschools.ca

Work Order Number: 346506
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500044435
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
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



CERTIFICATE OF ANALYSIS

RDSB - Algonquin Rd. Public School

Work Order Number: 346506

WORK ORDER RESULTS

Sample Description	T22 (Standing)		T22 (Flushed)			
Lab ID	1106880		1106881			
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.

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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 (Blank- 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-12 (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 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

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

[illegible]

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

*** 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.

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CERTIFICATE OF ANALYSIS

Client: Mike Lavallee
Company: RDSB - Algonquin Rd. Public School
Address: 2650 Algonquin Road E
Sudbury, ON, P3E 4X6
Phone/Fax: (705) 674-3171 / (705) 761-2442
Email: lavallm@rainbowschools.ca

Work Order Number: 346511
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500044435
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
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
F 8 S	1106899	Water	Plumbing		6/12/2018	7:00 AM
F 8 F	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



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CERTIFICATE OF ANALYSIS

RDSB - Algonquin Rd. Public School

Work Order Number: 346511

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS

RDSB - Algonquin Rd. Public School

Work Order Number: 346511

WORK ORDER RESULTS

Sample Description	FB25 (Standing)		FB25 (Flushed)		F 32 S		F 32 F			
Lab ID	1106893		1106894		1106895		1106896			
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	T 20 S		T 20 F		F 8 S		F 8 F			
Lab ID	1106897		1106898		1106899		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.

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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
F 8 F	1106900	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
F 8 S	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

DRINKING WATER CHAIN OF CUSTODY FORM

Page 1 of 1

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: RDSB - Algonquin P.S.				Client: _____				TM Quote #: _____				
Address: 2650 Algonquin Road East				Address: _____				Client P.O. #: _____				
Sudbury, ON P3E 4X6								Client Project #: _____				
Contact: Mike Lavallee				Contact: _____								
Email: lavallm@rainbowschools.ca				Email: _____								
Phone: 705-674-3171 Fax: _____				Phone: _____ Fax: _____								
REPORTING/INVOICING FORMAT				TURN AROUND TIME (TAT)*				LABORATORY USE ONLY				
<input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail QC DATA REPORTED <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No SAMPLE DISPOSAL <input type="checkbox"/> Hold <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return				<input type="checkbox"/> 1 Business Day <input type="checkbox"/> 2 Business Days <input type="checkbox"/> 3 Business Days <input checked="" type="checkbox"/> Standard SPECIFIC DATE: Wed 20 <small>* Prior arrangements must be made for rush/weekend/holiday work</small>				WORK ORDER NUMBER: 346511				
SAMPLING				ANALYSIS REQUESTED								
DATE (mm-dd-yy)	TIME	Type** R T D P	SAMPLE DESCRIPTION	Water Trax # (if appl)	Resample (Yes or No?)	ICPMS 1 (pb)	Free	Total	CONTAINERS RECEIVED	TEMP	Btl. Type	Lab ID
6-12-18	6:30		FB2S (Standing)		x				1	20	KP	1106893
6-12-18	7:05		FB2S (Flushed)		x				1			1106894
6-12-18	6:40		F 32 Shls		x				1			1106895
6-12-18	7:15		F 32 F		x				1			1106896
6-12-18	6:50		T 20 S		x				1			1106897
6-12-18	7:25		T 20 F		x				1			1106898
6-12-18	7:00		F 8 S		x				1			1106899
6-12-18	7:35		F 8 F		x				1			1106900
6-12-18			As per client w/12/18 JC/K									
**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: <u>Mark Bocy</u> Cell: <u>705-690-0323</u> Phone: <u>705-671-3174 x 7231</u> Fax: <u>705-761-2442</u>				REGULATION Waterworks # <u>500044435</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 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				Phone: <u>705-522-9200</u> Public Health Unit: <u>SDHU</u> Fax: <u>705-677-9607</u> Relinquished to Testmark By (Signature) <u>Mark Bocy</u> Date <u>12-6-18</u> Time <u>9:40</u> Shipped By <u>Mand</u> Shipping Reference <u>N/A</u> Received at Testmark By <u>Andrea</u> Date <u>June 12/18</u> Time <u>9:53am</u>				
COMMENTS/FIELD NOTES:												
ESTIMATED STANDING TIME:												
Sampled By (Print and Sign)		Date	Time	Received By (Print and Sign)		Date	Time					
<u>Mark Bocy</u>		<u>6-12-18</u>	<u>9:40</u>	<u>Andrea</u>		<u>June 12/18</u>	<u>9:53am</u>					

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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.

stance with customized CofC's for Schedule 1 received below 10°C with evidence that an att

to ensure adequate cooling.