



## CERTIFICATE OF ANALYSIS

Client:	Lisa Polano	Work Order Number:	442875
Company:	RDSB - Confederation Secondary School	PO #:	
Address:	408 Wembley Drive Sudbury, ON, P3E 1P2	Regulation:	O.Reg. 243/07
Phone/Fax:	(705) 690-0323 / (705) 671-2442	Project #:	
Email:	polanol@rainbowschools.ca	DWS #:	500111593
		Sampled By:	Lisa Polano
Date Order Received:	9/20/2021	Analysis Started:	9/28/2021
Arrival Temperature:	5 °C	Analysis Completed:	9/28/2021

### 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
Standing-BF-1 by S-121	1684913	Water	Plumbing		9/18/2021	6:00 AM
Flushed-BF-1 by S-121	1684914	Water	Plumbing		9/18/2021	6:35 AM
Standing-BF-2 by S-101	1684915	Water	Plumbing		9/18/2021	6:05 AM
Flushed-BF-2 by S-101	1684916	Water	Plumbing		9/18/2021	6:40 AM
Standing-BF-3 by N-1035	1684917	Water	Plumbing		9/18/2021	6:10 AM
Flushed-BF-3 by N-1035	1684918	Water	Plumbing		9/18/2021	6:45 AM
Standing-BF-4 by S-1003	1684919	Water	Plumbing		9/18/2021	6:15 AM
Flushed-BF-4 by S-1003	1684920	Water	Plumbing		9/18/2021	6:50 AM

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

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This report has been approved by:

Mahesh Patel, B.Sc.  
Laboratory Director



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### WORK ORDER RESULTS

Sample Description	Standing - BF - 1 by S - 121		Flushed - BF - 1 by S - 121		Standing - BF - 2 by S - 101		Flushed - BF - 2 by S - 101			
Sample Date	9/18/2021 6:00 AM		9/18/2021 6:35 AM		9/18/2021 6:05 AM		9/18/2021 6:40 AM			
Lab ID	1684913		1684914		1684915		1684916			
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	Standing - BF - 3 by N - 1035		Flushed - BF - 3 by N - 1035		Standing - BF - 4 by S - 1003		Flushed - BF - 4 by S - 1003			
Sample Date	9/18/2021 6:10 AM		9/18/2021 6:45 AM		9/18/2021 6:15 AM		9/18/2021 6:50 AM			
Lab ID	1684917		1684918		1684919		1684920			
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

### 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.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.

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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

##### Method Blank: LRB-6 (Blank) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	0.1	ug/L	0	<0.1	1	20210928.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	94.1	120	20210928.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.58	3.84	5.38	20210928.A13.1D

##### Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20210928.A13.1D

##### Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	92	130	20210928.A13.1D

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
Flushed - BF - 1 by S - 121	1684914	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Flushed - BF - 2 by S - 101	1684916	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Flushed - BF - 3 by N - 1035	1684918	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Flushed - BF - 4 by S - 1003	1684920	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Standing - BF - 1 by S - 121	1684913	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Standing - BF - 2 by S - 101	1684915	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Standing - BF - 3 by N - 1035	1684917	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V
Standing - BF - 4 by S - 1003	1684919	ICPMS Reg. Water (A13)	20210928.A13.1D	20210927.A52V