



CERTIFICATE OF ANALYSIS

Client:	Carol Koziar	Work Order Number:	411197
Company:	RDSB - Northeastern S.S. Elementary School Prog.	PO #:	
Address:	408 Wembley Drive Sudbury, ON, P3E 1P2	Regulation:	O.Reg. 243/07
Phone/Fax:	(705) 690-0323 / (705) 671-2442	Project #:	
Email:	koziarc@rainbowschools.ca	DWS #:	500045826
		Sampled By:	Carol Koziar
Date Order Received:	9/15/2020	Analysis Started:	9/18/2020
Arrival Temperature:	10 °C	Analysis Completed:	9/18/2020

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 Cafeteria	1575535	Water	Plumbing		9/15/2020	7:00 AM
Flushed-BF 1 Cafeteria	1575536	Water	Plumbing		9/15/2020	7:35 AM
Standing- S-1 Room 107	1575537	Water	Plumbing		9/15/2020	7:05 AM
Flushed- S-1 Room 107	1575538	Water	Plumbing		9/15/2020	7:40 AM
Standing- S-2 Room 108	1575539	Water	Plumbing		9/15/2020	7:10 AM
Flushed- S-2 Room 108	1575540	Water	Plumbing		9/15/2020	7:45 AM
Standing- S-3 Room 109	1575541	Water	Plumbing		9/15/2020	7:15 AM
Flushed- S-3 Room 109	1575542	Water	Plumbing		9/15/2020	7:50 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:

Brad Halvorson, B.Sc.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	Standing - BF 1 Cafeteria		Flushed - BF 1 Cafeteria		Standing - S - 1 Room 107		Flushed - S - 1 Room 107			
Sample Date	9/15/2020 7:00 AM		9/15/2020 7:35 AM		9/15/2020 7:05 AM		9/15/2020 7:40 AM			
Lab ID	1575535		1575536		1575537		1575538			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.5	0.1	<0.1	0.1	ug/L	10
Sample Description	Standing - S - 2 Room 108		Flushed - S - 2 Room 108		Standing - S - 3 Room 109		Flushed - S - 3 Room 109			
Sample Date	9/15/2020 7:10 AM		9/15/2020 7:45 AM		9/15/2020 7:15 AM		9/15/2020 7:50 AM			
Lab ID	1575539		1575540		1575541		1575542			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.7	0.1	0.7	0.1	0.3 [0.4]	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.

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	20200918.A13.1C
Lead	0.1	ug/L	0	<0.1	1	20200918.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	95.5	120	20200918.A13.1D
Lead	N/A	%	80	97.2	120	20200918.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.13	5.44	20200918.A13.1C
Lead	1	ug/L	2.64	4.14	5.44	20200918.A13.1D

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20200918.A13.1D

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	91.9	130	20200918.A13.1C
Lead	N/A	% Rec	70	97	130	20200918.A13.1D



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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 - S - 1 Room 107	1575538	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - S - 2 Room 108	1575540	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - S - 3 Room 109	1575542	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Flushed - BF 1 Cafeteria	1575536	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S - 1 Room 107	1575537	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S - 2 Room 108	1575539	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S - 3 Room 109	1575541	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Standing - S - 3 Room 109	1575541r	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Standing - BF 1 Cafeteria	1575535	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O