



CERTIFICATE OF ANALYSIS

Client:	Carol Koziar	Work Order Number:	413075
Company:	RDSB - Markstay Public 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:	koziarc@rainbowschools.ca	DWS #:	500045618
		Sampled By:	Carol Koziar
Date Order Received:	10/5/2020	Analysis Started:	10/13/2020
Arrival Temperature:	2 °C	Analysis Completed:	10/13/2020

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 by room 209	1582362	Water	Plumbing		10/3/2020	6:30 AM
Flushed - BF 1 by room 209	1582363	Water	Plumbing		10/3/2020	7:05 AM
Standing - S-1 Room 217 Kindergarten	1582364	Water	Plumbing		10/3/2020	6:35 AM
Flushed - S-1 Room 217 Kindergarten	1582365	Water	Plumbing		10/3/2020	7:10 AM
Standing - S-2 Room 224 YMCA	1582366	Water	Plumbing		10/3/2020	6:40 AM
Flushed - S-2 Room 224 YMCA	1582367	Water	Plumbing		10/3/2020	7:15 AM
Standing - S-3 Room 223 YMCA	1582368	Water	Plumbing		10/3/2020	6:45 AM
Flushed - S-3 Room 223 YMCA	1582369	Water	Plumbing		10/3/2020	7:20 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



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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 by room 209		Flushed - BF 1 by room 209		Standing - S - 1 Room 217 Kindergarten		Flushed - S - 1 Room 217 Kindergarten			
Sample Date	10/3/2020 6:30 AM		10/3/2020 7:05 AM		10/3/2020 6:35 AM		10/3/2020 7:10 AM			
Lab ID	1582362		1582363		1582364		1582365			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.3	0.1	0.1	0.1	ug/L	10
Sample Description	Standing - S - 2 Room 224 YMCA		Flushed - S - 2 Room 224 YMCA		Standing - S - 3 Room 223 YMCA		Flushed - S - 3 Room 223 YMCA			
Sample Date	10/3/2020 6:40 AM		10/3/2020 7:15 AM		10/3/2020 6:45 AM		10/3/2020 7:20 AM			
Lab ID	1582366		1582367		1582368		1582369			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	0.1	0.2	0.1	0.5 [0.5]	0.1	0.2	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	20201013.A13.1F
Lead	0.1	ug/L	0	<0.1	1	20201013.A13.1H

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	97.1	120	20201013.A13.1F
Lead	N/A	%	80	97.3	120	20201013.A13.1H

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.16	5.44	20201013.A13.1F
Lead	1	ug/L	2.64	4.22	5.44	20201013.A13.1H

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	2.5	20	20201013.A13.1F

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	89.2	130	20201013.A13.1H
Lead	N/A	% Rec	70	89.7	130	20201013.A13.1F



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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 - BF 1 by room 209	1582363	ICPMS Reg. Water (A13)	20201013.A13.1F	20201009.A52Q
Flushed - S - 1 Room 217 Kindergarten	1582365	ICPMS Reg. Water (A13)	20201013.A13.1F	20201009.A52Q
Flushed - S - 2 Room 224 YMCA	1582367	ICPMS Reg. Water (A13)	20201013.A13.1F	20201009.A52Q
Flushed - S - 3 Room 223 YMCA	1582369	ICPMS Reg. Water (A13)	20201013.A13.1H	20201009.A52R
Standing - BF 1 by room 209	1582362	ICPMS Reg. Water (A13)	20201013.A13.1F	20201009.A52Q
Standing - S - 1 Room 217 Kindergarten	1582364	ICPMS Reg. Water (A13)	20201013.A13.1F	20201009.A52Q
Standing - S - 2 Room 224 YMCA	1582366	ICPMS Reg. Water (A13)	20201013.A13.1F	20201009.A52Q
Standing - S - 3 Room 223 YMCA	1582368	ICPMS Reg. Water (A13)	20201013.A13.1H	20201009.A52R
Standing - S - 3 Room 223 YMCA	1582368r	ICPMS Reg. Water (A13)	20201013.A13.1H	20201009.A52R