



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	499869
Company:	RDSB - Assiginack Public School	PO #:	
Address:	408 Wembley Drive Sudbury, ON, P3E 1P2	Regulation:	O.Reg. 243/07
Phone/Fax:	(705) 674-3171 / (705) 671-2442	Project #:	
Email:	mcculls@rainbowschools.ca	DWS #:	500001132
		Sampled By:	Steve McCulloch
Date Order Received:	5/23/2023	Analysis Started:	5/24/2023
Arrival Temperature:	2 °C	Analysis Completed:	5/25/2023

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 - F2	1882867	Water	Plumbing		5/21/2023	10:40 AM
Flushed - F2	1882868	Water	Plumbing		5/21/2023	11:15 AM
Standing - F5	1882869	Water	Plumbing		5/21/2023	10:45 AM
Flushed - F5	1882870	Water	Plumbing		5/21/2023	11:20 AM
Standing - S124A	1882871	Water	Plumbing		5/21/2023	10:50 AM
Flushed - S124A	1882872	Water	Plumbing		5/21/2023	11:25 AM
Standing - S140	1882873	Water	Plumbing		5/21/2023	10:55 AM
Flushed - S140	1882874	Water	Plumbing		5/21/2023	11:30 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 - F2		Flushed - F2		Standing - F5		Flushed - F5			
Sample Date	5/21/2023 10:40 AM		5/21/2023 11:15 AM		5/21/2023 10:45 AM		5/21/2023 11:20 AM			
Lab ID	1882867		1882868		1882869		1882870			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	0.1	0.3	0.1	0.1	0.1	<0.1	0.1	ug/L	10

Sample Description	Standing - S124A		Flushed - S124A		Standing - S140		Flushed - S140			
Sample Date	5/21/2023 10:50 AM		5/21/2023 11:25 AM		5/21/2023 10:55 AM		5/21/2023 11:30 AM			
Lab ID	1882871		1882872		1882873		1882874			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6 [0.6]	0.1	0.4	0.1	0.1	0.1	<0.1	0.1	ug/L	10



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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.

Reproduction of Report: Report shall not be reproduced, except in full, without the approval of Testmark Laboratories Ltd.

ICPMS Dustfall Insoluble: The ICPMS Dustfall Insoluble Portion method analyzes only the particulate matter from the Dustfall Sampler which is retained on the analysis filter during the Dustfall method.

Regulation Comparisons: Disclaimer: Please note that regulation criteria are provided for comparative purposes, however the onus on ensuring the validity of this comparison rests with the client.



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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	0.3	20230525.A13.1D
Lead	0.1	ug/L	0	<0.1	0.3	20230525.A13.1F

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	85	100	115	20230525.A13.1D
Lead	N/A	%	85	98.5	115	20230525.A13.1F

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.58	3.92	5.38	20230525.A13.1F
Lead	1	ug/L	2.58	4.01	5.38	20230525.A13.1D

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	103	130	20230525.A13.1F
Lead	N/A	% Rec	70	94.9	130	20230525.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 - F2	1882868	ICPMS Reg. Water (A13)	20230525.A13.1D	20230524.A52ZH
Flushed - F5	1882870	ICPMS Reg. Water (A13)	20230525.A13.1D	20230524.A52ZH
Flushed - S124A	1882872	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Flushed - S140	1882874	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - F2	1882867	ICPMS Reg. Water (A13)	20230525.A13.1D	20230524.A52ZH
Standing - F5	1882869	ICPMS Reg. Water (A13)	20230525.A13.1D	20230524.A52ZH
Standing - S124A	1882871	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - S124A	1882871r	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - S140	1882873	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI