



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	499892
Company:	RDSB - Central Manitoulin 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 #:	500039027
		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-F1	1882959	Water	Plumbing		5/21/2023	9:10 AM
Flushed-F1	1882960	Water	Plumbing		5/21/2023	9:45 AM
Standing-FU3	1882961	Water	Plumbing		5/21/2023	9:15 AM
Flushed-FU3	1882962	Water	Plumbing		5/21/2023	9:50 AM
Standing-S12A	1882963	Water	Plumbing		5/21/2023	9:20 AM
Flushed-S12A	1882964	Water	Plumbing		5/21/2023	9:55 AM
Standing-S102A	1882965	Water	Plumbing		5/21/2023	9:25 AM
Fluhed-S102A	1882966	Water	Plumbing		5/21/2023	10:00 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 - F1		Flushed - F1		Standing - FU3		Flushed - FU3			
Sample Date	5/21/2023 9:10 AM		5/21/2023 9:45 AM		5/21/2023 9:15 AM		5/21/2023 9:50 AM			
Lab ID	1882959		1882960		1882961		1882962			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6	0.1	0.2 [0.2]	0.1	0.8	0.1	0.3	0.1	ug/L	10

Sample Description	Standing - S12A		Flushed - S12A		Standing - S102A		Fluhed - S102A			
Sample Date	5/21/2023 9:20 AM		5/21/2023 9:55 AM		5/21/2023 9:25 AM		5/21/2023 10:00 AM			
Lab ID	1882963		1882964		1882965		1882966			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.8	0.1	0.3	0.1	0.8	0.1	0.3	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.A13.1I
Lead	0.1	ug/L	0	<0.1	0.3	20230525.A13.1K

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	85	100	115	20230525.A13.1K
Lead	N/A	%	85	99	115	20230525.A13.1I

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.58	3.94	5.38	20230525.A13.1I
Lead	1	ug/L	2.58	3.95	5.38	20230525.A13.1K

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	96.1	130	20230525.A13.1I
Lead	N/A	% Rec	70	97.1	130	20230525.A13.1K



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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
Fluhed - S102A	1882966	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Flushed - F1	1882960	ICPMS Reg. Water (A13)	20230525.A13.1I	20230524.A52ZK
Flushed - F1	1882960r	ICPMS Reg. Water (A13)	20230525.A13.1I	20230524.A52ZK
Flushed - FU3	1882962	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Flushed - S12A	1882964	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - F1	1882959	ICPMS Reg. Water (A13)	20230525.A13.1I	20230524.A52ZK
Standing - FU3	1882961	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - S102A	1882965	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - S12A	1882963	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL