



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	462836
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:	
Date Order Received:	5/16/2022	Analysis Started:	5/19/2022
Arrival Temperature:	3 °C	Analysis Completed:	5/19/2022

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-S102A	1753898	Water	Plumbing		5/14/2022	10:20 AM
Flushed-S102A	1753899	Water	Plumbing		5/14/2022	10:55 AM
Standing-FB4	1753900	Water	Plumbing		5/14/2022	10:25 AM
Flushed-FB4	1753901	Water	Plumbing		5/14/2022	11:00 AM
Standing-F2	1753902	Water	Plumbing		5/14/2022	10:30 AM
Flushed-F2	1753903	Water	Plumbing		5/14/2022	11:05 AM
Standing-S12B	1753904	Water	Plumbing		5/14/2022	10:35 AM
Flushed-S12B	1753905	Water	Plumbing		5/14/2022	11:10 AM
Standing-S15	1753906	Water	Plumbing		5/14/2022	10:45 AM
Flushed-S15	1753907	Water	Plumbing		5/14/2022	11:15 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:

Mahesh Patel, B.Sc.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	Standing - S102A		Flushed - S102A		Standing - FB4		Flushed - FB4			
Sample Date	5/14/2022 10:20 AM		5/14/2022 10:55 AM		5/14/2022 10:25 AM		5/14/2022 11:00 AM			
Lab ID	1753898		1753899		1753900		1753901			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6	0.1	0.6	0.1	0.6	0.1	0.5	0.1	ug/L	10
Sample Description	Standing - F2		Flushed - F2		Standing - S12B		Flushed - S12B			
Sample Date	5/14/2022 10:30 AM		5/14/2022 11:05 AM		5/14/2022 10:35 AM		5/14/2022 11:10 AM			
Lab ID	1753902		1753903		1753904		1753905			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6	0.1	0.6 [0.6]	0.1	0.3	0.1	0.3	0.1	ug/L	10
Sample Description	Standing - S15		Flushed - S15							
Sample Date	5/14/2022 10:45 AM		5/14/2022 11:15 AM							
Lab ID	1753906		1753907							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.3	0.1	0.4	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.



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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	20220519.A13.1D
Lead	0.1	ug/L	0	<0.1	1	20220519.A13.1E

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	94.3	120	20220519.A13.1D
Lead	N/A	%	80	99.7	120	20220519.A13.1E

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	20220519.A13.1D
Lead	1	ug/L	2.58	4.08	5.38	20220519.A13.1E

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	3.3	20	20220519.A13.1E

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	88	130	20220519.A13.1D
Lead	N/A	% Rec	70	96.4	130	20220519.A13.1E



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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	1753903	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Flushed - F2	1753903r	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Flushed - FB4	1753901	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Flushed - S102A	1753899	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Flushed - S12B	1753905	ICPMS Reg. Water (A13)	20220519.A13.1E	20220518.A52G
Flushed - S15	1753907	ICPMS Reg. Water (A13)	20220519.A13.1E	20220518.A52G
Standing - F2	1753902	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Standing - FB4	1753900	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Standing - S102A	1753898	ICPMS Reg. Water (A13)	20220519.A13.1D	20220518.A52F
Standing - S12B	1753904	ICPMS Reg. Water (A13)	20220519.A13.1E	20220518.A52G
Standing - S15	1753906	ICPMS Reg. Water (A13)	20220519.A13.1E	20220518.A52G