



## CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	499902
Company:	RDSB - Charles C. McLean 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 #:	500039105
		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-FU1	1882978	Water	Plumbing		5/21/2023	7:45 AM
Flushed-FU1	1882979	Water	Plumbing		5/21/2023	8:20 AM
Standing-FU5	1882980	Water	Plumbing		5/21/2023	7:50 AM
Flushed-FU5	1882981	Water	Plumbing		5/21/2023	8:25 AM
Standing-S16	1882982	Water	Plumbing		5/21/2023	7:55 AM
Flushed-S16	1882983	Water	Plumbing		5/21/2023	8:30 AM
Standing-S2B	1882984	Water	Plumbing		5/21/2023	7:00 AM
Flushed-S2B	1882985	Water	Plumbing		5/21/2023	8:35 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 - FU1		Flushed - FU1		Standing - FU5		Flushed - FU5			
Sample Date	5/21/2023 7:45 AM		5/21/2023 8:20 AM		5/21/2023 7:50 AM		5/21/2023 8:25 AM			
Lab ID	1882978		1882979		1882980		1882981			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.7	0.1	0.4	0.1	0.6	0.1	0.4	0.1	ug/L	10
Sample Description	Standing - S16		Flushed - S16		Standing - S2B		Flushed - S2B			
Sample Date	5/21/2023 7:55 AM		5/21/2023 8:30 AM		5/21/2023 7:00 AM		5/21/2023 8:35 AM			
Lab ID	1882982		1882983		1882984		1882985			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.2	0.1	0.1	0.1	0.2	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.

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.A13.1K

##### 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

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
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	97.1	130	20230525.A13.1K

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 - FU1	1882979	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Flushed - FU5	1882981	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Flushed - S16	1882983	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Flushed - S2B	1882985	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - FU1	1882978	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - FU5	1882980	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - S16	1882982	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL
Standing - S2B	1882984	ICPMS Reg. Water (A13)	20230525.A13.1K	20230524.A52ZL