



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	534238
Company:	RDSB - S. Geiger 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 #:	500045644
		Sampled By:	Steve McCulloch
Date Order Received:	5/13/2024	Analysis Started:	5/14/2024
Arrival Temperature:	10.3 C	Analysis Completed:	5/15/2024

### 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	2004215	Water	Plumbing		5/11/2024	6:30 PM
Flushed - F1	2004216	Water	Plumbing		5/11/2024	7:05 PM
Standing - F4	2004217	Water	Plumbing		5/11/2024	6:35 PM
Flushed - F4	2004218	Water	Plumbing		5/11/2024	7:10 PM
Standing - F5	2004219	Water	Plumbing		5/11/2024	6:40 PM
Flushed - F5	2004220	Water	Plumbing		5/11/2024	7:15 PM
Standing - S10	2004221	Water	Plumbing		5/11/2024	6:45 PM
Flushed - S10	2004222	Water	Plumbing		5/11/2024	7:20 PM
Standing - S11B	2004223	Water	Plumbing		5/11/2024	6:50 PM
Flushed - S11B	2004224	Water	Plumbing		5/11/2024	7:25 PM

### 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

### WORK ORDER RESULTS

Sample Description	Standing - F1		Flushed - F1		Standing - F4		Flushed - F4			
Sample Date	5/11/2024 6:30 PM		5/11/2024 7:05 PM		5/11/2024 6:35 PM		5/11/2024 7:10 PM			
Lab ID	2004215		2004216		2004217		2004218			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3	0.1	0.2	0.1	0.3	0.1	0.2	0.1	ug/L	10
Sample Description	Standing - F5		Flushed - F5		Standing - S10		Flushed - S10			
Sample Date	5/11/2024 6:40 PM		5/11/2024 7:15 PM		5/11/2024 6:45 PM		5/11/2024 7:20 PM			
Lab ID	2004219		2004220		2004221		2004222			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3	0.1	0.2	0.1	0.2	0.1	0.2	0.1	ug/L	10
Sample Description	Standing - S11B		Flushed - S11B							
Sample Date	5/11/2024 6:50 PM		5/11/2024 7:25 PM							
Lab ID	2004223		2004224							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.2	0.1	0.2	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.

Organic Soil Analysis: Data reported for organic analysis in soils samples are corrected for moisture content.

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.



**CERTIFICATE OF ANALYSIS**

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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.

<b>Metals</b>							
<b>Method Blank: LRB-6 (Blank) (6)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	0.1	ug/L	0	<0.1	0.3	20240515.A13.1G	
<b>Positive Control: LFB-7 (N 100 µg/L) (7)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	85	95.6	115	20240515.A13.1G	
<b>Reference Sample: CRM-12 (EP-L-3) (12)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	2.58	4.06	5.38	20240515.A13.1G	
<b>Sample Spike: LFMS-9 (N 100 µg/L) (9)</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	102	130	20240515.A13.1G	

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 - F1	2004216	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Flushed - F4	2004218	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Flushed - F5	2004220	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Flushed - S10	2004222	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Flushed - S11B	2004224	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Standing - F1	2004215	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Standing - F4	2004217	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Standing - F5	2004219	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Standing - S10	2004221	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA
Standing - S11B	2004223	ICPMS Reg. Water (A13)	20240515.A13.1G	20240514.A52ZZA