



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	499881
Company:	RDSB - Lively District Secondary 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 #:	500141350
		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 - FU2	1882888	Water	Plumbing		5/21/2023	7:20 PM
Flushed - FU2	1882889	Water	Plumbing		5/21/2023	7:55 PM
Standing - F5	1882890	Water	Plumbing		5/21/2023	7:25 PM
Flushed - F5	1882891	Water	Plumbing		5/21/2023	8:00 PM
Standing - F10	1882892	Water	Plumbing		5/21/2023	7:30 PM
Flushed - F10	1882893	Water	Plumbing		5/21/2023	8:05 PM
Standing - S108	1882894	Water	Plumbing		5/21/2023	7:35 PM
Flushed - S108	1882895	Water	Plumbing		5/21/2023	8:10 PM
Standing - S112A	1882896	Water	Plumbing		5/21/2023	7:40 PM
Flushed - S112A	1882897	Water	Plumbing		5/21/2023	8:15 PM
Standing - S109A	1882898	Water	Plumbing		5/21/2023	7:45 PM
Flushed - S109A	1882899	Water	Plumbing		5/21/2023	8:20 PM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):



TESTMARK Laboratories Ltd.
Committed to Quality and Service

CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 499881

Method	Lab	Description	Reference
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A

This report has been approved by:

Brad Halvorson, B.Sc.
Laboratory Director



CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 499881

WORK ORDER RESULTS

Sample Description	Standing - FU2		Flushed - FU2		Standing - F5		Flushed - F5			
Sample Date	5/21/2023 7:20 PM		5/21/2023 7:55 PM		5/21/2023 7:25 PM		5/21/2023 8:00 PM			
Lab ID	1882888		1882889		1882890		1882891			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	2.3	0.1	0.5	0.1	3.9	0.1	0.2	0.1	ug/L	10
Sample Description	Standing - F10		Flushed - F10		Standing - S108		Flushed - S108			
Sample Date	5/21/2023 7:30 PM		5/21/2023 8:05 PM		5/21/2023 7:35 PM		5/21/2023 8:10 PM			
Lab ID	1882892		1882893		1882894		1882895			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	3.5	0.1	0.6	0.1	2.3	0.1	0.2	0.1	ug/L	10
Sample Description	Standing - S112A		Flushed - S112A		Standing - S109A		Flushed - S109A			
Sample Date	5/21/2023 7:40 PM		5/21/2023 8:15 PM		5/21/2023 7:45 PM		5/21/2023 8:20 PM			
Lab ID	1882896		1882897		1882898		1882899			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.9	0.1	0.3	0.1	2.4	0.1	0.3	0.1	ug/L	10



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 499881

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.



CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 499881

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

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	85	101	115	20230525.A13.1J
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.A13.1J

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	99.3	130	20230525.A13.1J



CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 499881

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 - F10	1882893	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Flushed - F5	1882891	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Flushed - FU2	1882889	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Flushed - S108	1882895	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Flushed - S109A	1882899	ICPMS Reg. Water (A13)	20230525.A13.1J	20230524.A52ZJ
Flushed - S112A	1882897	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - F10	1882892	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - F5	1882890	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - FU2	1882888	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - S108	1882894	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI
Standing - S109A	1882898	ICPMS Reg. Water (A13)	20230525.A13.1J	20230524.A52ZJ
Standing - S112A	1882896	ICPMS Reg. Water (A13)	20230525.A13.1F	20230524.A52ZI