



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	412396
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:	9/28/2020	Analysis Started:	10/6/2020
Arrival Temperature:	6 °C	Analysis Completed:	10/6/2020

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	1579941	Water	Plumbing		9/26/2020	11:40 AM
FLUSHED-FU2	1579942	Water	Plumbing		9/26/2020	12:15 PM
STANDING-F5	1579943	Water	Plumbing		9/26/2020	11:45 AM
FLUSHED-F5	1579944	Water	Plumbing		9/26/2020	12:20 PM
STANDING-F10	1579945	Water	Plumbing		9/26/2020	11:50 AM
FLUSHED-F10	1579946	Water	Plumbing		9/26/2020	12:25 PM
STANDING-S108	1579947	Water	Plumbing		9/26/2020	11:55 AM
FLUSHED-S108	1579948	Water	Plumbing		9/26/2020	12:30 PM
STANDING-S112A	1579949	Water	Plumbing		9/26/2020	12:00 PM
FLUSHED-S112A	1579950	Water	Plumbing		9/26/2020	12:35 PM
STANDING-S109B	1579951	Water	Plumbing		9/26/2020	12:05 PM
FLUSHED-S109B	1579952	Water	Plumbing		9/26/2020	12:40 PM

METHODS AND INSTRUMENTATION

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



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CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 412396

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: 412396

WORK ORDER RESULTS

Sample Description	STANDING - FU2		FLUSHED - FU2		STANDING - F5		FLUSHED - F5			
Sample Date	9/26/2020 11:40 AM		9/26/2020 12:15 PM		9/26/2020 11:45 AM		9/26/2020 12:20 PM			
Lab ID	1579941		1579942		1579943		1579944			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.4	0.1	0.5 [0.5]	0.1	ug/L	10
Sample Description	STANDING - F10		FLUSHED - F10		STANDING - S108		FLUSHED - S108			
Sample Date	9/26/2020 11:50 AM		9/26/2020 12:25 PM		9/26/2020 11:55 AM		9/26/2020 12:30 PM			
Lab ID	1579945		1579946		1579947		1579948			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.1	0.1	0.2	0.1	0.4	0.1	0.3	0.1	ug/L	10
Sample Description	STANDING - S112A		FLUSHED - S112A		STANDING - S109B		FLUSHED - S109B			
Sample Date	9/26/2020 12:00 PM		9/26/2020 12:35 PM		9/26/2020 12:05 PM		9/26/2020 12:40 PM			
Lab ID	1579949		1579950		1579951		1579952			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	0.1	0.4	0.1	1.2	0.1	0.3	0.1	ug/L	10



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RDSB - Lively District Secondary School

Work Order Number: 412396

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.



CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 412396

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	20201006.A13.1D
Lead	0.1	ug/L	0	<0.1	1	20201006.A13.1E

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	97.3	120	20201006.A13.1D
Lead	N/A	%	80	97.8	120	20201006.A13.1E

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.13	5.44	20201006.A13.1D
Lead	1	ug/L	2.64	4.31	5.44	20201006.A13.1E

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	73.5	130	20201006.A13.1D
Lead	N/A	% Rec	70	84	130	20201006.A13.1E



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Work Order Number: 412396

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	1579946	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
FLUSHED - F5	1579944	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
FLUSHED - F5	1579944r	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
FLUSHED - FU2	1579942	ICPMS Reg. Water (A13)	20201006.A13.1D	20201002.A52P
FLUSHED - S108	1579948	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
FLUSHED - S109B	1579952	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
FLUSHED - S112A	1579950	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - F10	1579945	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - F5	1579943	ICPMS Reg. Water (A13)	20201006.A13.1D	20201002.A52P
STANDING - FU2	1579941	ICPMS Reg. Water (A13)	20201006.A13.1D	20201002.A52P
STANDING - S108	1579947	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - S109B	1579951	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - S112A	1579949	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R