



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	442195
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:	9/13/2021	Analysis Started:	9/20/2021
Arrival Temperature:	6 °C	Analysis Completed:	9/21/2021

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	1682239	Water	Plumbing		9/11/2021	6:05 PM
Flushed - F1	1682240	Water	Plumbing		9/11/2021	6:40 PM
Standing - F4	1682241	Water	Plumbing		9/11/2021	6:10 PM
Flushed - F4	1682242	Water	Plumbing		9/11/2021	6:45 PM
Standing - F5	1682243	Water	Plumbing		9/11/2021	6:15 PM
Flushed - F5	1682244	Water	Plumbing		9/11/2021	6:50 PM
Standing - S10	1682245	Water	Plumbing		9/11/2021	6:20 PM
Flushed - S10	1682246	Water	Plumbing		9/11/2021	6:55 PM
Standing - S-11B	1682247	Water	Plumbing		9/11/2021	6:25 PM
Flushed - S-11B	1682248	Water	Plumbing		9/11/2021	7:00 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:

Mahesh Patel, B.Sc.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	Standing - F1		Flushed - F1		Standing - F4		Flushed - F4			
Sample Date	9/11/2021 6:05 PM		9/11/2021 6:40 PM		9/11/2021 6:10 PM		9/11/2021 6:45 PM			
Lab ID	1682239		1682240		1682241		1682242			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.9	0.1	0.8	0.1	0.7	0.1	0.6	0.1	ug/L	10
Sample Description	Standing - F5		Flushed - F5		Standing - S10		Flushed - S10			
Sample Date	9/11/2021 6:15 PM		9/11/2021 6:50 PM		9/11/2021 6:20 PM		9/11/2021 6:55 PM			
Lab ID	1682243		1682244		1682245		1682246			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.8	0.1	0.5	0.1	0.2	0.1	0.6	0.1	ug/L	10
Sample Description	Standing - S - 11B		Flushed - S - 11B							
Sample Date	9/11/2021 6:25 PM		9/11/2021 7:00 PM							
Lab ID	1682247		1682248							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.8	0.1	0.7	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.

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.

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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	20210920.A13.1B
Lead	0.1	ug/L	0	<0.1	1	20210920.A13.1F
Lead	0.1	ug/L	0	<0.1	1	20210920.A13.1G
Lead	0.1	ug/L	0	<0.1	1	20210921.A13.1D
Lead	0.1	ug/L	0	<0.1	1	20210921.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	20210920.A13.1G
Lead	N/A	%	80	95.4	120	20210921.A13.1D
Lead	N/A	%	80	95.6	120	20210920.A13.1B
Lead	N/A	%	80	96.3	120	20210920.A13.1F
Lead	N/A	%	80	96.6	120	20210921.A13.1E

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.58	4.06	5.38	20210920.A13.1F
Lead	1	ug/L	2.58	4.06	5.38	20210920.A13.1G
Lead	1	ug/L	2.58	4.06	5.38	20210921.A13.1D
Lead	1	ug/L	2.58	4.08	5.38	20210920.A13.1B
Lead	1	ug/L	2.58	4.11	5.38	20210921.A13.1E

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	89.7	130	20210920.A13.1F
Lead	N/A	% Rec	70	92	130	20210921.A13.1E
Lead	N/A	% Rec	70	92.9	130	20210921.A13.1D



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Lead	N/A	% Rec	70	94.1	130	20210920.A13.1G
Lead	N/A	% Rec	70	94.9	130	20210920.A13.1B

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	1682240	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Flushed - F4	1682242	ICPMS Reg. Water (A13)	20210920.A13.1F	20210915.A52X
Flushed - F5	1682244	ICPMS Reg. Water (A13)	20210920.A13.1F	20210915.A52X
Flushed - S - 11B	1682248	ICPMS Reg. Water (A13)	20210921.A13.1D	20210917.A52P
Flushed - S10	1682246	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Standing - F1	1682239	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Standing - F4	1682241	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Standing - F5	1682243	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Standing - S - 11B	1682247	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Standing - S10	1682245	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q