



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	412391
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:	9/28/2020	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-FU-2	1579897	Water	Plumbing		9/26/2020	7:00 AM
FLUSHED-FU-2	1579898	Water	Plumbing		9/26/2020	7:35 AM
STANDING-S-9	1579899	Water	Plumbing		9/26/2020	7:05 AM
FLUSHED-S-9	1579900	Water	Plumbing		9/26/2020	7:40 AM
STANDING-S-11A	1579901	Water	Plumbing		9/26/2020	7:10 AM
FLUSHED-S-11A	1579902	Water	Plumbing		9/26/2020	7:45 AM
STANDING-S-12A	1579903	Water	Plumbing		9/26/2020	7:15 AM
FLUSHED-S-12A	1579904	Water	Plumbing		9/26/2020	7:50 AM
STANDING-S-22A	1579905	Water	Plumbing		9/26/2020	7:20 AM
FLUSHED-S-22A	1579906	Water	Plumbing		9/26/2020	7:55 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



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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 - FU - 2		FLUSHED - FU - 2		STANDING - S - 9		FLUSHED - S - 9			
Sample Date	9/26/2020 7:00 AM		9/26/2020 7:35 AM		9/26/2020 7:05 AM		9/26/2020 7:40 AM			
Lab ID	1579897		1579898		1579899		1579900			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	2.0	0.1	0.8	0.1	ug/L	10
Sample Description	STANDING - S - 11A		FLUSHED - S - 11A		STANDING - S - 12A		FLUSHED - S - 12A			
Sample Date	9/26/2020 7:10 AM		9/26/2020 7:45 AM		9/26/2020 7:15 AM		9/26/2020 7:50 AM			
Lab ID	1579901		1579902		1579903		1579904			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.0	0.1	0.1	0.1	0.8	0.1	0.3 [0.3]	0.1	ug/L	10
Sample Description	STANDING - S - 22A		FLUSHED - S - 22A							
Sample Date	9/26/2020 7:20 AM		9/26/2020 7:55 AM							
Lab ID	1579905		1579906							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.6	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.

[]: 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.



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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	20201006.A13.1G
Lead	0.1	ug/L	0	<0.1	1	20201006.A13.1H

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	95.4	120	20201006.A13.1H
Lead	N/A	%	80	98.4	120	20201006.A13.1G

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.12	5.44	20201006.A13.1H
Lead	1	ug/L	2.64	4.13	5.44	20201006.A13.1G

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	94.5	130	20201006.A13.1G
Lead	N/A	% Rec	70	95.3	130	20201006.A13.1H



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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 - FU - 2	1579898	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N
FLUSHED - S - 11A	1579902	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N
FLUSHED - S - 12A	1579904	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
FLUSHED - S - 12A	1579904r	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
FLUSHED - S - 22A	1579906	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
FLUSHED - S - 9	1579900	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N
STANDING - FU - 2	1579897	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N
STANDING - S - 11A	1579901	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N
STANDING - S - 12A	1579903	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N
STANDING - S - 22A	1579905	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
STANDING - S - 9	1579899	ICPMS Reg. Water (A13)	20201006.A13.1G	20201002.A52N