



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	412398
Company:	RDSB - R.H. Murray 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 #:	500046060
		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-FU1	1579959	Water	Plumbing		9/26/2020	9:50 AM
FLUSHED-FU1	1579960	Water	Plumbing		9/26/2020	10:25 AM
STANDING-S21B	1579961	Water	Plumbing		9/26/2020	9:55 AM
FLUSHED-S21B	1579962	Water	Plumbing		9/26/2020	10:30 AM
STANDING-S1	1579963	Water	Plumbing		9/26/2020	10:00 AM
FLUSHED-S1	1579964	Water	Plumbing		9/26/2020	10:35 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 - FU1		FLUSHED - FU1		STANDING - S21B		FLUSHED - S21B			
Sample Date	9/26/2020 9:50 AM		9/26/2020 10:25 AM		9/26/2020 9:55 AM		9/26/2020 10:30 AM			
Lab ID	1579959		1579960		1579961		1579962			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	STANDING - S1		FLUSHED - S1							
Sample Date	9/26/2020 10:00 AM		9/26/2020 10:35 AM							
Lab ID	1579963		1579964							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.2	0.1	0.1 [0.1]	0.1	ug/L	10				

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

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	95.3	120	20201006.A13.1I
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	4.11	5.44	20201006.A13.1I
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	84	130	20201006.A13.1E
Lead	N/A	% Rec	70	95.5	130	20201006.A13.1I

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 - FU1	1579960	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
FLUSHED - S1	1579964	ICPMS Reg. Water (A13)	20201006.A13.1I	20201004.A52B
FLUSHED - S1	1579964r	ICPMS Reg. Water (A13)	20201006.A13.1I	20201004.A52B
FLUSHED - S21B	1579962	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - FU1	1579959	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - S1	1579963	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R
STANDING - S21B	1579961	ICPMS Reg. Water (A13)	20201006.A13.1E	20201002.A52R