TESTMARK Laboratories Ltd.
Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	442207
Company:	RDSB - Little Current Public School	PO #:	
Address:	408 Wembley Drive Sudbury, ON, P3E 1P2	Regulation: Project #:	O.Reg. 243/07
Phone/Fax:	(705) 674-3171 / (705) 671-2442	DWS #:	500045631
Email:	mcculls@rainbowschools.ca	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	1682311	Water	Plumbing		9/11/2021	2:15 PM
Flushed - F1	1682312	Water	Plumbing		9/11/2021	2:50 PM
Standing - F3	1682313	Water	Plumbing		9/11/2021	2:20 PM
Flushed - F3	1682314	Water	Plumbing		9/11/2021	2:55 PM
Standing - S2	1682315	Water	Plumbing		9/11/2021	2:25 PM
Flushed - S2	1682316	Water	Plumbing		9/11/2021	3:00 PM
Standing - S110	1682317	Water	Plumbing		9/11/2021	2:30 PM
Flushed - S110	1682318	Water	Plumbing		9/11/2021	3:05 PM
Standing - S217	1682319	Water	Plumbing		9/11/2021	2:35 PM
Flushed - S217	1682320	Water	Plumbing		9/11/2021	3:10 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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RDSB - Little Current Public School

Work Order Number: 442207

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 - F3		Flushed - F3			
Sample Date	9/11/2021 2:15 PM		9/11/2021 2:50 PM		9/11/2021 2:20 PM		9/11/2021 2:55 PM			
Lab ID	1682311		1682312		1682313		1682314			
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 - S2		Flushed - S2		Standing - S110		Flushed - S110			
Sample Date	9/11/2021 2:25 PM		9/11/2021 3:00 PM		9/11/2021 2:30 PM		9/11/2021 3:05 PM			
Lab ID	1682315		1682316		1682317		1682318			
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 - S217		Flushed - S217			
Sample Date	9/11/2021 2:35 PM		9/11/2021 3:10 PM			
Lab ID	1682319		1682320			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	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.A13.1G
Lead	0.1	ug/L	0	<0.1	1	20210921.A13.1E
Lead	0.1	ug/L	0	<0.1	1	20210921.A13.1F

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	95.6	120	20210920.A13.1B
Lead	N/A	%	80	95.9	120	20210921.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	4.02	5.38	20210921.A13.1F
Lead	1	ug/L	2.58	4.06	5.38	20210920.A13.1G
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 Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	2.6	20	20210921.A13.1F

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	92	130	20210921.A13.1E
Lead	N/A	% Rec	70	94.1	130	20210920.A13.1G

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Lead	N/A	% Rec	70	94.9	130	20210920.A13.1B
Lead	N/A	% Rec	70	97.5	130	20210921.A13.1F

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	1682312	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Flushed - F3	1682314	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Flushed - S110	1682318	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Flushed - S2	1682316	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Flushed - S217	1682320	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Standing - F1	1682311	ICPMS Reg. Water (A13)	20210921.A13.1F	20210917.A52T
Standing - F3	1682313	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Standing - S110	1682317	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Standing - S2	1682315	ICPMS Reg. Water (A13)	20210921.A13.1F	20210917.A52T
Standing - S217	1682319	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q

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