



## CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	442203
Company:	RDSB - Central Manitoulin 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 #:	500039027
		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 - F5	1682277	Water	Plumbing		9/11/2021	10:00 AM
Flushed - F5	1682278	Water	Plumbing		9/11/2021	10:35 AM
Standing - S115	1682279	Water	Plumbing		9/11/2021	10:05 AM
Flushed - S115	1682280	Water	Plumbing		9/11/2021	10:45 AM
Standing - S102B	1682281	Water	Plumbing		9/11/2021	10:10 AM
Flushed - S102B	1682282	Water	Plumbing		9/11/2021	10:50 AM
Standing - S102C	1682283	Water	Plumbing		9/11/2021	10:15 AM
Flushed - S102C	1682284	Water	Plumbing		9/11/2021	10:55 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



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

RDSB - Central Manitoulin Public School

Work Order Number: 442203

This report has been approved by:

Mahesh Patel, B.Sc.  
Laboratory Director



## CERTIFICATE OF ANALYSIS

RDSB - Central Manitoulin Public School

Work Order Number: 442203

### WORK ORDER RESULTS

Sample Description	Standing - F5		Flushed - F5		Standing - S115		Flushed - S115			
Sample Date	9/11/2021 10:00 AM		9/11/2021 10:35 AM		9/11/2021 10:05 AM		9/11/2021 10:45 AM			
Lab ID	1682277		1682278		1682279		1682280			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.9	0.1	0.4	0.1	1.1	0.1	0.5	0.1	ug/L	10
Sample Description	Standing - S102B		Flushed - S102B		Standing - S102C		Flushed - S102C			
Sample Date	9/11/2021 10:10 AM		9/11/2021 10:50 AM		9/11/2021 10:15 AM		9/11/2021 10:55 AM			
Lab ID	1682281		1682282		1682283		1682284			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	0.1	0.3	0.1	0.6	0.1	0.3	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.

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	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	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	4.08	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	94.9	130	20210920.A13.1B
Lead	N/A	% Rec	70	97.5	130	20210921.A13.1F



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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 - F5	1682278	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Flushed - S102B	1682282	ICPMS Reg. Water (A13)	20210921.A13.1F	20210917.A52T
Flushed - S102C	1682284	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Flushed - S115	1682280	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Standing - F5	1682277	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q
Standing - S102B	1682281	ICPMS Reg. Water (A13)	20210921.A13.1F	20210917.A52T
Standing - S102C	1682283	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Standing - S115	1682279	ICPMS Reg. Water (A13)	20210921.A13.1E	20210917.A52Q