



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

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Company: RDSB - R.H. Murray Public School  
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Work Order Number: 442209  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500046060  
Sampled By: Steve McCulloch

Date Order Received: 9/13/2021  
Arrival Temperature: 6 °C

Analysis Started: 9/20/2021  
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 - F3	1682333	Water	Plumbing		9/11/2021	7:25 PM
Flushed - F3	1682334	Water	Plumbing		9/11/2021	8:00 PM
Standing - SSTRM	1682335	Water	Plumbing		9/11/2021	7:30 PM
Flushed - SSTRM	1682336	Water	Plumbing		9/11/2021	8:05 PM
Standing - S2	1682337	Water	Plumbing		9/11/2021	7:35 PM
Flushed - S2	1682338	Water	Plumbing		9/11/2021	8:10 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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This report has been approved by:

Mahesh Patel, B.Sc.  
Laboratory Director



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### WORK ORDER RESULTS

Sample Description	Standing - F3		Flushed - F3		Standing - SSTRM		Flushed - SSTRM			
Sample Date	9/11/2021 7:25 PM		9/11/2021 8:00 PM		9/11/2021 7:30 PM		9/11/2021 8:05 PM			
Lab ID	1682333		1682334		1682335		1682336			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3	0.1	0.3	0.1	0.4	0.1	0.4	0.1	ug/L	10
Sample Description	Standing - S2		Flushed - S2							
Sample Date	9/11/2021 7:35 PM		9/11/2021 8:10 PM							
Lab ID	1682337		1682338							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	0.2	0.1	0.2	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	20210920.A13.1G
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

##### 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

##### 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	94.1	130	20210920.A13.1G
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 - F3	1682334	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Flushed - S2	1682338	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Flushed - SSTRM	1682336	ICPMS Reg. Water (A13)	20210921.A13.1F	20210917.A52T
Standing - F3	1682333	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z
Standing - S2	1682337	ICPMS Reg. Water (A13)	20210920.A13.1B	20210915.A52Y
Standing - SSTRM	1682335	ICPMS Reg. Water (A13)	20210920.A13.1G	20210915.A52Z