



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 412393
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500001132
Sampled By: Steve McCulloch

Date Order Received: 9/28/2020
Arrival Temperature: 6 °C

Analysis Started: 10/6/2020
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-F2	1579917	Water	Plumbing		9/27/2020	11:30 AM
FLUSHED-F2	1579918	Water	Plumbing		9/27/2020	12:05 PM
STANDING-F5	1579919	Water	Plumbing		9/27/2020	11:35 AM
FLUSHED-F5	1579920	Water	Plumbing		9/27/2020	12:10 PM
STANDING-S124A	1579921	Water	Plumbing		9/27/2020	11:40 AM
FLUSHED-S124A	1579922	Water	Plumbing		9/27/2020	12:15 PM
STANDING-S140	1579923	Water	Plumbing		9/27/2020	11:45 AM
FLUSHED-S140	1579924	Water	Plumbing		9/27/2020	12:20 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:

Brad Halvorson, B.Sc.

Laboratory Director



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WORK ORDER RESULTS

Sample Description	STANDING - F2		FLUSHED - F2		STANDING - F5		FLUSHED - F5			
Sample Date	9/27/2020 11:30 AM		9/27/2020 12:05 PM		9/27/2020 11:35 AM		9/27/2020 12:10 PM			
Lab ID	1579917		1579918		1579919		1579920			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3	0.1	0.6	0.1	0.2	0.1	0.1	0.1	ug/L	10

Sample Description	STANDING - S124A		FLUSHED - S124A		STANDING - S140		FLUSHED - S140			
Sample Date	9/27/2020 11:40 AM		9/27/2020 12:15 PM		9/27/2020 11:45 AM		9/27/2020 12:20 PM			
Lab ID	1579921		1579922		1579923		1579924			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.7	0.1	0.4	0.1	0.1	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.A13.1D
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	97.3	120	20201006.A13.1D

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.A13.1D

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	73.5	130	20201006.A13.1D
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 - F2	1579918	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
FLUSHED - F5	1579920	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
FLUSHED - S124A	1579922	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
FLUSHED - S140	1579924	ICPMS Reg. Water (A13)	20201006.A13.1D	20201002.A52P
FLUSHED - S140	1579924r	ICPMS Reg. Water (A13)	20201006.A13.1D	20201002.A52P
STANDING - F2	1579917	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
STANDING - F5	1579919	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
STANDING - S124A	1579921	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O
STANDING - S140	1579923	ICPMS Reg. Water (A13)	20201006.A13.1H	20201002.A52O