



CERTIFICATE OF ANALYSIS

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Work Order Number: 412560
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045852
Sampled By: Illegible

Date Order Received: 9/29/2020
Arrival Temperature: 17 °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-S1 ROOM 102	1580531	Water	Plumbing		9/28/2020	6:30 AM
FLUSHED-S1 ROOM 102	1580532	Water	Plumbing		9/28/2020	7:05 AM
STANDING-S2 ROOM 101	1580533	Water	Plumbing		9/28/2020	6:30 AM
FLUSHED-S2 ROOM 101	1580534	Water	Plumbing		9/28/2020	7:05 AM
STANDING-F1 BY ROOM 105	1580535	Water	Plumbing		9/28/2020	6:35 AM
FLUSHED-F1 BY ROOM 105	1580536	Water	Plumbing		9/28/2020	7:10 AM
STANDING-S3 ROOM 105	1580537	Water	Plumbing		9/28/2020	6:30 AM
FLUSHED-S3 ROOM 105	1580538	Water	Plumbing		9/28/2020	7:05 AM
STANDING-S4 ROOM 107	1580539	Water	Plumbing		9/28/2020	6:30 AM
FLUSHED-S4 ROOM 107	1580540	Water	Plumbing		9/28/2020	7:05 AM
STANDING-BF2 BY ROOM 104E	1580541	Water	Plumbing		9/28/2020	6:35 AM
FLUSHED-BF2 BY ROOM 104E	1580542	Water	Plumbing		9/28/2020	7:10 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):



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Method	Lab	Description	Reference
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A

This report has been approved by:

Brad Halvorson, B.Sc.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	STANDING - S1 ROOM 102		FLUSHED - S1 ROOM 102		STANDING - S2 ROOM 101		FLUSHED - S2 ROOM 101			
Sample Date	9/28/2020 6:30 AM		9/28/2020 7:05 AM		9/28/2020 6:30 AM		9/28/2020 7:05 AM			
Lab ID	1580531		1580532		1580533		1580534			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	0.1	0.7	0.1	3.5	0.1	1.0	0.1	ug/L	10
Sample Description	STANDING - F1 BY ROOM 105		FLUSHED - F1 BY ROOM 105		STANDING - S3 ROOM 105		FLUSHED - S3 ROOM 105			
Sample Date	9/28/2020 6:35 AM		9/28/2020 7:10 AM		9/28/2020 6:30 AM		9/28/2020 7:05 AM			
Lab ID	1580535		1580536		1580537		1580538			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	4.6	0.1	1.1	0.1	ug/L	10
Sample Description	STANDING - S4 ROOM 107		FLUSHED - S4 ROOM 107		STANDING - BF2 BY ROOM 104E		FLUSHED - BF2 BY ROOM 104E			
Sample Date	9/28/2020 6:30 AM		9/28/2020 7:05 AM		9/28/2020 6:35 AM		9/28/2020 7:10 AM			
Lab ID	1580539		1580540		1580541		1580542			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	0.1	0.7	0.1	4.7 [4.8]	0.1	2.5	0.1	ug/L	10



TESTMARK Laboratories Ltd.

Committed to Quality and Service

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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.A13.1B
Lead	0.1	ug/L	0	<0.1	1	20201006.A13.1F

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	96.2	120	20201006.A13.1B
Lead	N/A	%	80	96.4	120	20201006.A13.1F

Reference Sample: CRM-12 (EP-L-3) (12)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.15	5.44	20201006.A13.1B
Lead	1	ug/L	2.64	4.2	5.44	20201006.A13.1F

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	2.1	20	20201006.A13.1B

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	92.1	130	20201006.A13.1F
Lead	N/A	% Rec	70	97.4	130	20201006.A13.1B



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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 - BF2 BY ROOM 104E	1580542	ICPMS Reg. Water (A13)	20201006.A13.1B	20201002.A52V
FLUSHED - F1 BY ROOM 105	1580536	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
FLUSHED - S1 ROOM 102	1580532	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
FLUSHED - S2 ROOM 101	1580534	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
FLUSHED - S3 ROOM 105	1580538	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
FLUSHED - S4 ROOM 107	1580540	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
STANDING - BF2 BY ROOM 104E	1580541	ICPMS Reg. Water (A13)	20201006.A13.1B	20201002.A52V
STANDING - BF2 BY ROOM 104E	1580541r	ICPMS Reg. Water (A13)	20201006.A13.1B	20201002.A52V
STANDING - F1 BY ROOM 105	1580535	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
STANDING - S1 ROOM 102	1580531	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
STANDING - S2 ROOM 101	1580533	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
STANDING - S3 ROOM 105	1580537	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U
STANDING - S4 ROOM 107	1580539	ICPMS Reg. Water (A13)	20201006.A13.1F	20201002.A52U