



CERTIFICATE OF ANALYSIS

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Work Order Number: 411187
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500044435
Sampled By: Joe M

Date Order Received: 9/15/2020
Arrival Temperature: 8 °C

Analysis Started: 9/18/2020
Analysis Completed: 9/18/2020

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-S5 Room 21	1575518	Water	Plumbing		9/14/2020	6:30 AM
Flushed-S5 Room 21	1575519	Water	Plumbing		9/14/2020	7:05 AM
Standing-S6 Room 22	1575520	Water	Plumbing		9/14/2020	6:35 AM
Flushed-S6 Room 22	1575521	Water	Plumbing		9/14/2020	7:10 AM
Standing-BF2 by room 8	1575522	Water	Plumbing		9/14/2020	6:35 AM
Flushed-BF2 by room 8	1575523	Water	Plumbing		9/14/2020	7:10 AM
Standing-S3 Room 11	1575524	Water	Plumbing		9/15/2020	6:30 AM
Flushed-S3 Room 11	1575525	Water	Plumbing		9/15/2020	7:05 AM
Standing-S4 Room 20	1575526	Water	Plumbing		9/15/2020	6:35 AM
Flushed-S4 Room 20	1575527	Water	Plumbing		9/15/2020	7:10 AM
Standing-BF3 by room 32	1575528	Water	Plumbing		9/15/2020	6:35 AM
Flushed-BF3 by room 32	1575529	Water	Plumbing		9/15/2020	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 - S5 Room 21		Flushed - S5 Room 21		Standing - S6 Room 22		Flushed - S6 Room 22			
Sample Date	9/14/2020 6:30 AM		9/14/2020 7:05 AM		9/14/2020 6:35 AM		9/14/2020 7:10 AM			
Lab ID	1575518		1575519		1575520		1575521			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6	0.1	0.1	0.1	0.3	0.1	0.2	0.1	ug/L	10
Sample Description	Standing - BF2 by room 8		Flushed - BF2 by room 8		Standing - S3 Room 11		Flushed - S3 Room 11			
Sample Date	9/14/2020 6:35 AM		9/14/2020 7:10 AM		9/15/2020 6:30 AM		9/15/2020 7:05 AM			
Lab ID	1575522		1575523		1575524		1575525			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.2	0.1	<0.1	0.1	ug/L	10
Sample Description	Standing - S4 Room 20		Flushed - S4 Room 20		Standing - BF3 by room 32		Flushed - BF3 by room 32			
Sample Date	9/15/2020 6:35 AM		9/15/2020 7:10 AM		9/15/2020 6:35 AM		9/15/2020 7:10 AM			
Lab ID	1575526		1575527		1575528		1575529			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.2	0.1	0.1	0.1	0.3	0.1	0.5	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	20200918.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	95.5	120	20200918.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.14	5.44	20200918.A13.1D

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20200918.A13.1D

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	97	130	20200918.A13.1D



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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 8	1575523	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - BF3 by room 32	1575529	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - S3 Room 11	1575525	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - S4 Room 20	1575527	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - S5 Room 21	1575519	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Flushed - S6 Room 22	1575521	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - BF2 by room 8	1575522	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - BF3 by room 32	1575528	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S3 Room 11	1575524	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S4 Room 20	1575526	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S5 Room 21	1575518	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O
Standing - S6 Room 22	1575520	ICPMS Reg. Water (A13)	20200918.A13.1D	20200917.A52O