



CERTIFICATE OF ANALYSIS

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Work Order Number: 411510
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045930
Sampled By: Alain Venne

Date Order Received: 9/17/2020
Arrival Temperature: 15 °C

Analysis Started: 9/22/2020
Analysis Completed: 9/22/2020

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- S3 Room 014	1576716	Treated Water	Plumbing		9/16/2020	6:30 AM
Flushed- S3 Room 014	1576717	Treated Water	Plumbing		9/16/2020	7:05 AM
Standing- S4 Room 014	1576718	Treated Water	Plumbing		9/16/2020	6:30 AM
Flushed- S4 Room 014	1576719	Treated Water	Plumbing		9/16/2020	7:05 AM
Standing- S5 Room 014	1576720	Treated Water	Plumbing		9/16/2020	6:35 AM
Flushed- S5 Room 014	1576721	Treated Water	Plumbing		9/16/2020	7:10 AM
Standing- S6 Room 014	1576722	Treated Water	Plumbing		9/16/2020	6:35 AM
Flushed- S6 Room 014	1576723	Treated Water	Plumbing		9/16/2020	7:10 AM
Standing- S7 Room 016	1576724	Treated Water	Plumbing		9/17/2020	6:30 AM
Flushed- S7 Room 016	1576725	Treated Water	Plumbing		9/17/2020	7:05 AM
Standing-BF 8 by Room 011	1576726	Treated Water	Plumbing		9/17/2020	6:35 AM
Flushed- BF 8 by Room 011	1576727	Treated Water	Plumbing		9/17/2020	7:10 AM
Standing- BF 2 by Gym	1576728	Treated Water	Plumbing		9/17/2020	6:35 AM
Flushed- BF 2 by Gym	1576729	Treated Water	Plumbing		9/17/2020	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 - S3 Room 014		Flushed - S3 Room 014		Standing - S4 Room 014		Flushed - S4 Room 014			
Sample Date	9/16/2020 6:30 AM		9/16/2020 7:05 AM		9/16/2020 6:30 AM		9/16/2020 7:05 AM			
Lab ID	1576716		1576717		1576718		1576719			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1 [<0.1]	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	Standing - S5 Room 014		Flushed - S5 Room 014		Standing - S6 Room 014		Flushed - S6 Room 014			
Sample Date	9/16/2020 6:35 AM		9/16/2020 7:10 AM		9/16/2020 6:35 AM		9/16/2020 7:10 AM			
Lab ID	1576720		1576721		1576722		1576723			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	Standing - S7 Room 016		Flushed - S7 Room 016		Standing - BF 8 by Room 011		Flushed - BF 8 by Room 011			
Sample Date	9/17/2020 6:30 AM		9/17/2020 7:05 AM		9/17/2020 6:35 AM		9/17/2020 7:10 AM			
Lab ID	1576724		1576725		1576726		1576727			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	Standing - BF 2 by Gym		Flushed - BF 2 by Gym							
Sample Date	9/17/2020 6:35 AM		9/17/2020 7:10 AM							
Lab ID	1576728		1576729							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07				
Lead	<0.1	0.1	<0.1	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.

[]: 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	20200922.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	91.7	120	20200922.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4	5.44	20200922.A13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	91.1	130	20200922.A13.1C



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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 - BF 2 by Gym	1576729	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Flushed - BF 8 by Room 011	1576727	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Flushed - S3 Room 014	1576717	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Flushed - S4 Room 014	1576719	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Flushed - S5 Room 014	1576721	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Flushed - S6 Room 014	1576723	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Flushed - S7 Room 016	1576725	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - BF 2 by Gym	1576728	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - S3 Room 014	1576716	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - S3 Room 014	1576716r	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - S4 Room 014	1576718	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - S5 Room 014	1576720	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - S6 Room 014	1576722	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - S7 Room 016	1576724	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L
Standing - BF 8 by Room 011	1576726	ICPMS Reg. Water (A13)	20200922.A13.1C	20200921.A52L