



CERTIFICATE OF ANALYSIS

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Work Order Number: 411214
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045969
Sampled By: Simone K

Date Order Received: 9/15/2020
Arrival Temperature: 10 °C

Analysis Started: 9/18/2020
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- BF 1 by Gym	1575575	Water	Plumbing		9/14/2020	6:30 AM
Flushed- BF 1 by Gym	1575576	Water	Plumbing		9/14/2020	7:05 AM
Standing- S1 Room 114	1575577	Water	Plumbing		9/14/2020	6:35 AM
Flushed- S1 Room 114	1575578	Water	Plumbing		9/14/2020	7:10 AM
Standing- BF 01 by Gym	1575579	Water	Plumbing		9/15/2020	6:30 AM
Flushed- BF 01 by Gym	1575580	Water	Plumbing		9/15/2020	7:05 AM
Standing- S2 Room 122	1575581	Water	Plumbing		9/15/2020	6:35 AM
Flushed- S2 Room 122	1575582	Water	Plumbing		9/15/2020	7:10 AM

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 - BF 1 by Gym		Flushed - BF 1 by Gym		Standing - S1 Room 114		Flushed - S1 Room 114			
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	1575575		1575576		1575577		1575578			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.4	0.1	0.1	0.1	ug/L	10

Sample Description	Standing - BF 01 by Gym		Flushed - BF 01 by Gym		Standing - S2 Room 122		Flushed - S2 Room 122			
Sample Date	9/15/2020 6:30 AM		9/15/2020 7:05 AM		9/15/2020 6:35 AM		9/15/2020 7:10 AM			
Lab ID	1575579		1575580		1575581		1575582			
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 [0.2]	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	20200918.A13.1C
Lead	0.1	ug/L	0	<0.1	1	20200922.A13.1B

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	90.9	120	20200922.A13.1B
Lead	N/A	%	80	97.2	120	20200918.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	3.96	5.44	20200922.A13.1B
Lead	1	ug/L	2.64	4.13	5.44	20200918.A13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	91.9	130	20200918.A13.1C
Lead	N/A	% Rec	70	96.3	130	20200922.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 - BF 01 by Gym	1575580	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Flushed - BF 1 by Gym	1575576	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Flushed - S1 Room 114	1575578	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Flushed - S2 Room 122	1575582	ICPMS Reg. Water (A13)	20200922.A13.1B	20200917.A52Q
Standing - BF 01 by Gym	1575579	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Standing - BF 1 by Gym	1575575	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Standing - S1 Room 114	1575577	ICPMS Reg. Water (A13)	20200918.A13.1C	20200917.A52P
Standing - S2 Room 122	1575581	ICPMS Reg. Water (A13)	20200922.A13.1B	20200917.A52Q
Standing - S2 Room 122	1575581r	ICPMS Reg. Water (A13)	20200922.A13.1B	20200917.A52Q