



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 384572
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500044435
Sampled By: Lisa Polano

Date Order Received: 10/3/2019
Arrival Temperature: 14 °C

Analysis Started: 10/8/2019
Analysis Completed: 10/9/2019

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 - Room 22	1482719	Water	Plumbing		10/3/2019	6:30 AM
Flushed - Room 22	1482720	Water	Plumbing		10/3/2019	7:05 AM
S. Room 19	1482721	Water	Plumbing		10/3/2019	6:35 AM
F. Room 19	1482722	Water	Plumbing		10/3/2019	7:10 AM
S. Room 21	1482723	Water	Plumbing		10/3/2019	6:40 AM
F. Room 21	1482724	Water	Plumbing		10/3/2019	7:15 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 - Room 22		Flushed - Room 22		S. Room 19		F. Room 19			
Sample Date	10/3/2019 6:30 AM		10/3/2019 7:05 AM		10/3/2019 6:35 AM		10/3/2019 7:10 AM			
Lab ID	1482719		1482720		1482721		1482722			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3	0.1	0.2	0.1	0.1	0.1	<0.1	0.1	ug/L	10

Sample Description	S. Room 21		F. Room 21			
Sample Date	10/3/2019 6:40 AM		10/3/2019 7:15 AM			
Lab ID	1482723		1482724			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.5	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.

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.

Exceedences: HIGHLIGHTED CELLS INDICATE THAT THE RESULT EXCEEDS A REGULATORY LIMIT. CALCULATED UNCERTAINTY ESTIMATIONS ARE NOT APPLIED FOR DETERMINING SAMPLE EXCEEDANCES.

Benzo(b)fluoranthene: Results for benzo(b)fluoranthene may include contributions from benzo(j)fluoranthene.

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.



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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	1	ug/L	0	<1	1	20191009.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	20191009.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.03	5.44	20191009.A13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	90.5	130	20191009.A13.1C

THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
F. Room 19	1482722	ICPMS Reg. Water (A13)	20191009.A13.1C	20191008.A52P
F. Room 21	1482724	ICPMS Reg. Water (A13)	20191009.A13.1C	20191008.A52P
Flushed - Room 22	1482720	ICPMS Reg. Water (A13)	20191009.A13.1C	20191008.A52P
S. Room 19	1482721	ICPMS Reg. Water (A13)	20191009.A13.1C	20191008.A52P
S. Room 21	1482723	ICPMS Reg. Water (A13)	20191009.A13.1C	20191008.A52P
Standing - Room 22	1482719	ICPMS Reg. Water (A13)	20191009.A13.1C	20191008.A52P