



CERTIFICATE OF ANALYSIS

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Work Order Number: 375495
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045995
Sampled By: Mark Bocy

Date Order Received: 6/18/2019
Arrival Temperature: 21 °C

Analysis Started: 6/23/2019
Analysis Completed: 6/24/2019

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
314 F (A) (STANDING)	1449619	Water	Plumbing		6/18/2019	6:30 AM
314 F (A) (FLUSHED)	1449620	Water	Plumbing		6/18/2019	7:05 AM
304 F (A) S	1449621	Water	Plumbing		6/18/2019	6:40 AM
304 F (A) F	1449622	Water	Plumbing		6/18/2019	7:15 AM
236 F (A) S	1449623	Water	Plumbing		6/18/2019	6:50 AM
236 F (A) F	1449624	Water	Plumbing		6/18/2019	7:25 AM
218 F (A) S	1449625	Water	Plumbing		6/18/2019	7:00 AM
218 F (A) F	1449626	Water	Plumbing		6/18/2019	7:35 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

REPORT COMMENTS

ESTIMATED STANDING TIME: 8 HOURS



TESTMARK Laboratories Ltd.

Committed to Quality and Service

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This report has been approved by:

Mark Charbonneau, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	314 F (A) (STANDING)		314 F (A) (FLUSHED)		304 F (A) S		304 F (A) F			
Lab ID	1449619		1449620		1449621		1449622			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	2	0.1	0.8	0.1	0.6	0.1	0.3	0.1	ug/L	10

Sample Description	236 F (A) S		236 F (A) F		218 F (A) S		218 F (A) F			
Lab ID	1449623		1449624		1449625		1449626			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.6	0.1	0.7	0.1	4.5	0.1	1.5	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- µg/L) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20190624.A13.1M

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	86	120	20190624.A13.1M

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	3.62	4.35	20190624.A13.1M

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	86	130	20190624.A13.1M

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
218 F (A) F	1449626	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
218 F (A) S	1449625	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
236 F (A) F	1449624	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
236 F (A) S	1449623	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
304 F (A) F	1449622	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
304 F (A) S	1449621	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
314 F (A) (FLUSHED)	1449620	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
314 F (A) (STANDING)	1449619	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B