



CERTIFICATE OF ANALYSIS

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Work Order Number: 379123
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045618
Sampled By: Sarah Thomas

Date Order Received: 8/1/2019
Arrival Temperature: 9 °C

Analysis Started: 8/6/2019
Analysis Completed: 8/7/2019

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
T224 DC (STANDING)	1462747	Water	Plumbing		8/1/2019	6:00 AM
T224 DC (FLUSHED)	1462748	Water	Plumbing		8/1/2019	6:35 AM
F109 S	1462749	Water	Plumbing		8/1/2019	6:10 AM
F109 F	1462750	Water	Plumbing		8/1/2019	6:45 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: 12 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	T224 DC (STANDING)		T224 DC (FLUSHED)		F109 S		F109 F			
Sample Date	08/01/2019		08/01/2019		08/01/2019		08/01/2019			
Lab ID	1462747		1462748		1462749		1462750			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3 [0.2]	0.1	0.5	0.1	5.5	0.1	2.2	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.

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	20190807.A13.1C	
Positive Control: LFB-7 (N 100 µg/L) (7)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	101	120	20190807.A13.1C	
Reference Sample: CRM-12 (EP-L-3) (12)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	2.64	4.29	5.44	20190807.A13.1C	
Sample Spike: LFMS-9 (N 100 µg/L) (9)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	112.9	130	20190807.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
F109 F	1462750	ICPMS Reg. Water (A13)	20190807.A13.1C	20190806.A52E
F109 S	1462749	ICPMS Reg. Water (A13)	20190807.A13.1C	20190806.A52E
T224 DC (FLUSHED)	1462748	ICPMS Reg. Water (A13)	20190807.A13.1C	20190806.A52E
T224 DC (STANDING)	1462747	ICPMS Reg. Water (A13)	20190807.A13.1C	20190806.A52E
T224 DC (STANDING)	1462747r	ICPMS Reg. Water (A13)	20190807.A13.1C	20190806.A52E