



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 375560
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500046060
Sampled By: Steve McCulloch

Date Order Received: 6/19/2019
Arrival Temperature: 12 °C

Analysis Started: 6/25/2019
Analysis Completed: 6/27/2019

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
1 STANDING (S)	1449923	Water	Plumbing		6/19/2019	7:05 AM
1 FLUSHED (F)	1449924	Water	Plumbing		6/19/2019	7:40 AM
STAFF ROOM S	1449925	Water	Plumbing		6/19/2019	7:10 AM
STAFF ROOM F	1449926	Water	Plumbing		6/19/2019	7:45 AM
C S	1449927	Water	Plumbing		6/19/2019	7:12 AM
C F	1449928	Water	Plumbing		6/19/2019	7:47 AM
B S	1449929	Water	Plumbing		6/19/2019	7:15 AM
B F	1449930	Water	Plumbing		6/19/2019	7:50 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:

Mark Charbonneau, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	1 STANDING (S)		1 FLUSHED (F)		STAFF ROOM S		STAFF ROOM F			
Lab ID	1449923		1449924		1449925		1449926			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.4	0.1	0.3 [0.3]	0.1	0.5 [0.4]	0.1	0.2	0.1	ug/L	10

Sample Description	C S		C F		B S		B F			
Lab ID	1449927		1449928		1449929		1449930			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.2	0.1	0.2	0.1	<0.1	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.

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	20190626.A13.1C
Lead	1	ug/L	0	<1	1	20190627.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	94.5	120	20190626.A13.1C
Lead	N/A	%	80	97	120	20190627.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	4.07	4.35	20190626.A13.1C
Lead	1	ug/L	3.65	4.09	4.35	20190627.A13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	100.3	130	20190627.A13.1C
Lead	N/A	% Rec	70	Not Analyzed	130	20190626.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
1 FLUSHED (F)	1449924	ICPMS Reg. Water (A13)	20190626.A13.1C	20190625.A52G
1 FLUSHED (F)	1449924r	ICPMS Reg. Water (A13)	20190626.A13.1C	20190625.A52G
1 STANDING (S)	1449923	ICPMS Reg. Water (A13)	20190626.A13.1C	20190625.A52G
B F	1449930	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U
B S	1449929	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U
C F	1449928	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U
C S	1449927	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U
STAFF ROOM F	1449926	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U
STAFF ROOM S	1449925	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U
STAFF ROOM S	1449925r	ICPMS Reg. Water (A13)	20190627.A13.1C	20190626.A52U