



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 346720
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500039014
Sampled By: Steve McCulloch

Date Order Received: 6/13/2018
Arrival Temperature: 15 °C

Analysis Started: 6/19/2018
Analysis Completed: 6/20/2018

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
F (Standing)	1351047	Water	Plumbing		6/13/2018	6:00 AM
F (Flushed)	1351048	Water	Plumbing		6/13/2018	6:35 AM
I Standing	1351049	Water	Plumbing		6/13/2018	6:02 AM
I Flushed	1351050	Water	Plumbing		6/13/2018	6:37 AM
B2 Standing	1351051	Water	Plumbing		6/13/2018	6:04 AM
B2 Flushed	1351052	Water	Plumbing		6/13/2018	6:39 AM
D Standing	1351053	Water	Plumbing		6/13/2018	6:06 AM
D Flushed	1351054	Water	Plumbing		6/13/2018	6:41 AM
Kit B29 (Standing)	1351055	Water	Plumbing		6/13/2018	6:08 AM
Kit B29 (Flushed)	1351056	Water	Plumbing		6/13/2018	6:43 AM
7 Standing	1351057	Water	Plumbing		6/13/2018	6:10 AM
7 Flushed	1351058	Water	Plumbing		6/13/2018	6:45 AM
D5 A Standing	1351059	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	6/13/2018	6:12 AM
D5 A Flushed	1351060	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	6/13/2018	6:47 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
ICPMS Reg. Water (R13.1)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A



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REPORT COMMENTS

ESTIMATED STANDING TIME: 8 hrs
Lead exceedance reported on samples 1351059 and 1351060. 06/20/18 DC

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	F (Standing)		F (Flushed)		I Standing		I Flushed		Units	Criteria: O.Reg. 243/07
Lab ID	1351047		1351048		1351049		1351050			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	3.28	0.1	2.11	0.1	<0.1	0.1	0.15	0.1	ug/L	10

Sample Description	B2 Standing		B2 Flushed		D Standing		D Flushed		Units	Criteria: O.Reg. 243/07
Lab ID	1351051		1351052		1351053		1351054			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	6.27	0.1	2.47	0.1	0.43	0.1	0.48	0.1	ug/L	10

Sample Description	Kit B29 (Standing)		Kit B29 (Flushed)		7 Standing		7 Flushed		Units	Criteria: O.Reg. 243/07
Lab ID	1351055		1351056		1351057		1351058			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	3.01	0.1	1.88	0.1	1.64	0.1	0.9	0.1	ug/L	10

Sample Description	D5 A Standing		D5 A Flushed		Units	Criteria: O.Reg. 243/07
Lab ID	1351059		1351060			
Metals	Result	MDL	Result	MDL		
Lead	22.2	0.1	30.6	0.1	ug/L	10



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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.



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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							
Positive Control: LFB-7 (N 100 µg/L) (7)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	86.5	120	20180620.R13.1E	
Reference Sample: CRM-12 (EP-L-3) (12)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	ug/L	3.65	3.69	4.35	20180620.R13.1E	
Sample Spike: LFMS-10 (N 100 µg/L) (10)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	85.1	130	20180620.R13.1E	
Method Blank: LRB-6 (Blank- µg/L) (6)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20180620.R13.1E	



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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
7 Flushed	1351058	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
7 Standing	1351057	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
B2 Flushed	1351052	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
B2 Standing	1351051	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
D Flushed	1351054	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
D Standing	1351053	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
D5 A Flushed	1351060	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
D5 A Standing	1351059	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
F (Flushed)	1351048	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
F (Standing)	1351047	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
I Flushed	1351050	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
I Standing	1351049	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
Kit B29 (Flushed)	1351056	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N
Kit B29 (Standing)	1351055	ICPMS Reg. Water (R13.1)	20180620.R13.1E	20180619.A52N