



CERTIFICATE OF ANALYSIS

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Work Order Number: 309310
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500039053
Sampled By: A Blais

Date Order Received: 6/22/2017
Arrival Temperature: 18 °C

Analysis Started: 6/25/2017
Analysis Completed: 6/26/2017

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
A (Standing)	889872	Water	Plumbing		6/22/2017	6:30 AM
A (Flushed)	889873	Water	Plumbing		6/22/2017	7:05 AM
B (Standing)	889874	Water	Plumbing		6/22/2017	6:32 AM
B (Flushed)	889875	Water	Plumbing		6/22/2017	7:07 AM
D55-B (Standing)	889876	Water	Plumbing		6/22/2017	6:34 AM
D55-B (Flushed)	889877	Water	Plumbing		6/22/2017	7:09 AM
Café B (Standing)	889878	Water	Plumbing		6/22/2017	6:36 AM
Café B (Flushed)	889879	Water	Plumbing		6/22/2017	7:11 AM
C (Standing)	889880	Water	Plumbing		6/22/2017	6:38 AM
C (Flushed)	889881	Water	Plumbing		6/22/2017	7:13 AM
C117 (Standing)	889882	Water	Plumbing		6/22/2017	6:40 AM
C117 (Flushed)	889883	Water	Plumbing		6/22/2017	7:15 AM
E88 (Standing)	889884	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	6/22/2017	6:42 AM
E88 (Flushed)	889885	Water	Plumbing		6/22/2017	7:17 AM
E (Standing)	889886	Water	Plumbing		6/22/2017	6:44 AM
E (Flushed)	889887	Water	Plumbing		6/22/2017	7:19 AM

METHODS AND INSTRUMENTATION



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

Method	Lab	Description	Reference
ICPMS Reg. Water	Garson	Determination of Metals in Water by ICP/MS	Based on SW846-6020A

REPORT COMMENTS

Estimated standing time 10 HRS
Lead exceedance reported on samples 889884, 889885. 06/26/17 RB

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	A (Standing)		A (Flushed)		B (Standing)		B (Flushed)		Units	Criteria: O.Reg. 243/07
Lab ID	889872		889873		889874		889875			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	<0.1	0.1	<0.1	0.1	1.29	0.1	1.4	0.1	ug/L	10
Sample Description	D55 - B (Standing)		D55 - B (Flushed)		Café B (Standing)		Café B (Flushed)		Units	Criteria: O.Reg. 243/07
Lab ID	889876		889877		889878		889879			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	1.65 [1.71]	0.1	0.28	0.1	1.58	0.1	0.39	0.1	ug/L	10
Sample Description	C (Standing)		C (Flushed)		C117 (Standing)		C117 (Flushed)		Units	Criteria: O.Reg. 243/07
Lab ID	889880		889881		889882		889883			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	0.33	0.1	0.3	0.1	1.84	0.1	2.21	0.1	ug/L	10
Sample Description	E88 (Standing)		E88 (Flushed)		E (Standing)		E (Flushed)		Units	Criteria: O.Reg. 243/07
Lab ID	889884		889885		889886		889887			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	14.6	0.1	2.79	0.1	2.31	0.1	2.84	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.

[]: 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.



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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							
%RPD							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	0	3.6	20	20170625.R13-5o9	
Method Blank							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20170625.R13-5o8	
Lead	1	ug/L	0	<1	1	20170625.R13-5o9	
Positive Control							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	91.4	120	20170625.R13-5o8	
Lead	N/A	%	80	91.4	120	20170625.R13-5o9	
Reference Sample							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	98.9	120	20170625.R13-5o9	
Lead	N/A	% Rec	80	99	120	20170625.R13-5o8	
Sample Spike							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	85.8	130	20170625.R13-5o9	
Lead	N/A	% Rec	70	86.9	130	20170625.R13-5o8	



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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
A (Flushed)	889873	ICPMS Reg. Water	20170625.R13-5o8	20170625.R52F
A (Standing)	889872	ICPMS Reg. Water	20170625.R13-5o8	20170625.R52F
B (Flushed)	889875	ICPMS Reg. Water	20170625.R13-5o8	20170625.R52F
B (Standing)	889874	ICPMS Reg. Water	20170625.R13-5o8	20170625.R52F
C (Flushed)	889881	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
C (Standing)	889880	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
C117 (Flushed)	889883	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
C117 (Standing)	889882	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
Café B (Flushed)	889879	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
Café B (Standing)	889878	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
D55 - B (Flushed)	889877	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
D55 - B (Standing)	889876	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
D55 - B (Standing)	889876r	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
E (Flushed)	889887	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
E (Standing)	889886	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
E88 (Flushed)	889885	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G
E88 (Standing)	889884	ICPMS Reg. Water	20170625.R13-5o9	20170625.R52G