



CERTIFICATE OF ANALYSIS

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Work Order Number: 312719
PO #: 706LW1736503
Regulation: O.Reg. 243/07
Project #:
DWS #: 500046047
Sampled By: Mike Lavallee

Date Order Received: 8/2/2017
Arrival Temperature: 23 °C

Analysis Started: 8/10/2017
Analysis Completed: 8/11/2017

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
109-T-001 (S)	902133	Water	Plumbing		8/2/2017	7:30 AM
109-T-001 (F)	902134	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	8/2/2017	8:05 AM
109-T-002 (S)	902135	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	8/2/2017	7:35 AM
109-T-002 (F)	902136	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	8/2/2017	8:10 AM
109-T-003 (S)	902137	Water	Plumbing		8/2/2017	7:40 AM
109-T-003 (F)	902138	Water	Plumbing		8/2/2017	8:15 AM
109-F-001 (S)	902139	Water	Plumbing		8/2/2017	7:45 AM
109-F-001 (F)	902140	Water	Plumbing		8/2/2017	8:20 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	Based on SW846-6020A

REPORT COMMENTS

Lead exceedances reported for samples 902134, 902135, 902136 HC 08/11/17



TESTMARK Laboratories Ltd.

Committed to Quality and Service

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This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	109 - T - 001 (S)		109 - T - 001 (F)		109 - T - 002 (S)		109 - T - 002 (F)			
Lab ID	902133		902134		902135		902136			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	9.5	0.1	17.5	0.1	293 [294]	0.1	48.4	0.1	ug/L	10
Sample Description	109 - T - 003 (S)		109 - T - 003 (F)		109 - F - 001 (S)		109 - F - 001 (F)			
Lab ID	902137		902138		902139		902140			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.41	0.1	0.32	0.1	0.24	0.1	0.14	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.



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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	0.3	20	20170810.R13-6o4	
Lead	N/A	%	0	0.6	20	20170810.R13-6o0	
Method Blank							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20170810.R13-6o0	
Lead	1	ug/L	0	<1	1	20170810.R13-6o4	
Positive Control							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	95.4	120	20170810.R13-6o0	
Lead	N/A	%	80	95.4	120	20170810.R13-6o4	
Reference Sample							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	98	120	20170810.R13-6o0	
Lead	N/A	% Rec	80	98.3	120	20170810.R13-6o4	
Sample Spike							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	92	130	20170810.R13-6o0	
Lead	N/A	% Rec	70	98	130	20170810.R13-6o4	



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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
109 - F - 001 (F)	902140	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I
109 - F - 001 (S)	902139	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I
109 - T - 001 (F)	902134	ICPMS Reg. Water (R13.1)	20170810.R13-6o0	20170810.R52D
109 - T - 001 (S)	902133	ICPMS Reg. Water (R13.1)	20170810.R13-6o0	20170810.R52D
109 - T - 002 (F)	902136	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I
109 - T - 002 (S)	902135	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I
109 - T - 002 (S)	902135r	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I
109 - T - 003 (F)	902138	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I
109 - T - 003 (S)	902137	ICPMS Reg. Water (R13.1)	20170810.R13-6o4	20170810.R52I