



CERTIFICATE OF ANALYSIS

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Work Order Number: 311874
PO #: 706LW1736503
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045787
Sampled By: Mike Lavallee

Date Order Received: 7/24/2017
Arrival Temperature: 21 °C

Analysis Started: 7/31/2017
Analysis Completed: 8/1/2017

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
129-F-001 (S)	898984	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	7/24/2017	8:00 AM
129-F-001 (F)	898985	Water	Plumbing		7/24/2017	8:35 AM
129-T-001 (S)	898986	Water	Plumbing		7/24/2017	8:03 AM
129-T-001 (F)	898987	Water	Plumbing		7/24/2017	8:38 AM
129-T-002 (S)	898988	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	7/24/2017	8:05 AM
129-T-002 (F)	898989	Water	Plumbing		7/24/2017	8:40 AM
129-T-003 (S)	898990	Water	Plumbing		7/24/2017	8:07 AM
129-T-003 (F)	898991	Water	Plumbing		7/24/2017	8:42 AM
129-T-004 (S)	898992	Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	7/24/2017	8:10 AM
129-T-004 (F)	898993	Water	Plumbing		7/24/2017	8:45 AM

METHODS AND INSTRUMENTATION

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

Lead exceedances reported for samples 129-F-001 (S) (Lab ID 898984), 129-T-002 (S) (Lab ID 898988), 129-T-004 (S) (Lab ID 898992). 08/01/17 JC
STANDING IN EXCESS OF 6 HRS



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	129 - F - 001 (S)		129 - F - 001 (F)		129 - T - 001 (S)		129 - T - 001 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	898984		898985		898986		898987			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	ug/L	10
Lead	13.4 [13.2]	0.1	6.7	0.1	2.77	0.1	0.65	0.1		
Sample Description	129 - T - 002 (S)		129 - T - 002 (F)		129 - T - 003 (S)		129 - T - 003 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	898988		898989		898990		898991			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	ug/L	10
Lead	32.2	0.1	5.94	0.1	2.71	0.1	1.33	0.1		
Sample Description	129 - T - 004 (S)		129 - T - 004 (F)		Units	Criteria: O.Reg. 243/07				
Lab ID	898992		898993							
Metals	Result	MDL	Result	MDL	ug/L	10				
Lead	12.2	0.1	0.71	0.1						

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	1.5	20	20170731.R13-ob1	
Method Blank							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20170731.R13-ob1	
Positive Control							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	95.8	120	20170731.R13-ob1	
Reference Sample							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	99.2	120	20170731.R13-ob1	
Sample Spike							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	94.3	130	20170731.R13-ob1	



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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
129 - F - 001 (F)	898985	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - F - 001 (S)	898984	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - F - 001 (S)	898984r	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 001 (F)	898987	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 001 (S)	898986	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 002 (F)	898989	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 002 (S)	898988	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 003 (F)	898991	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 003 (S)	898990	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 004 (F)	898993	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N
129 - T - 004 (S)	898992	ICPMS Reg. Water	20170731.R13-ob1	20170731.R52N