



## CERTIFICATE OF ANALYSIS

Client: Mark Bocy  
Company: RDSB - Chelmsford P.S.  
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Work Order Number: 315838  
PO #: 706LW1736503  
Regulation: O.Reg. 243/07  
Project #:  
DWS #: 500046073  
Sampled By: Mike Lavallee

Date Order Received: 9/11/2017  
Arrival Temperature: 15 °C

Analysis Started: 9/12/2017  
Analysis Completed: 9/14/2017

### 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
108-T-001 (s)	912666	Treated Water	Plumbing		9/9/2017	2:00 PM
108-T-001 (f)	912667	Treated Water	Plumbing		9/9/2017	2:35 PM
108-B/F-001 (s)	912668	Treated Water	Plumbing		9/9/2017	2:05 PM
108-B/F-001 (f)	912669	Treated Water	Plumbing		9/9/2017	2:40 PM
108-T-002 (s)	912670	Treated Water	Plumbing		9/9/2017	2:10 PM
108-T-002 (f)	912671	Treated Water	Plumbing		9/9/2017	2:45 PM
108-F-003 (s)	912672	Treated Water	Plumbing		9/9/2017	2:15 PM
108-F-003 (f)	912673	Treated Water	Plumbing		9/9/2017	2:50 PM
108-T-003 (s)	912674	Treated Water	Plumbing		9/9/2017	2:20 PM
108-T-003 (f)	912675	Treated Water	Plumbing		9/9/2017	2:55 PM

### 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

STANDING: in excess of 6 hrs  
RM 34, hall by exit C, A-V Room,  
hall by room 8, Rm 02



**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	108 - T - 001 (s)		108 - T - 001 (f)		108 - B/F - 001 (s)		108 - B/F - 001 (f)			
Lab ID	912666		912667		912668		912669			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.31	0.1	0.36	0.1	<0.1	0.1	<0.1	0.1	ug/L	10

  

Sample Description	108 - T - 002 (s)		108 - T - 002 (f)		108 - F - 003 (s)		108 - F - 003 (f)			
Lab ID	912670		912671		912672		912673			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.96	0.1	0.63	0.1	1.69	0.1	0.59	0.1	ug/L	10

  

Sample Description	108 - T - 003 (s)		108 - T - 003 (f)			
Lab ID	912674		912675			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	2.5	0.1	0.45	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.

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.

<b>Metals</b>							
<b>Method Blank</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20170913.R13-5o	
<b>Positive Control</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	93.5	120	20170913.R13-5o	
<b>Reference Sample</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	98	120	20170913.R13-5o	
<b>Sample Spike</b>							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	92.9	130	20170913.R13-5o	

THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
108 - B/F - 001 (f)	912669	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - B/F - 001 (s)	912668	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - F - 003 (f)	912673	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - F - 003 (s)	912672	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - T - 001 (f)	912667	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - T - 001 (s)	912666	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - T - 002 (f)	912671	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - T - 002 (s)	912670	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - T - 003 (f)	912675	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P
108 - T - 003 (s)	912674	ICPMS Reg. Water (R13.1)	20170913.R13-5o	20170912.R52P