Providence Water

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Providence, RI 02908

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May 14, 2013

June Swallow, PE
Chief, Drinking Water Quality
R.I. Department of Health
Cannon Building, Room 209
Three Capitol Hill
Providence, R.I. 02908-5097

RE: pH Transition Implementation Plan
Philip J. Holton Water Purification Plant
April 2013 Monthly Report
PWSID 1592024

Dear Ms. Swallow:

Providence Water is pleased to submit the attached April 2013 Monthly Report. The format of the Monthly Report continues to follow the outline of RIDOH's December 6, 2012 letter. Providence Water continues to work closely with certain members of the Expert Panel.

The commencement of the Unidirectional Flushing (UDF) Program is still slated for mid-May. Under the Water Main Replacement Program, two new contracts recently had bid openings. The bids were evaluated, and three contractors will be awarded contracts for the 2013 construction season, extending into 2014.

Should you have any questions, please feel free to contact me at 521-6300, Ext. 7291 or ggiasson@provwater.com.

Respectfully,
PROVIDENCE WATER SUPPLY BOARD

Gregg Giasson, PE
Senior Director of Operations

Attachment: April 2013 Monthly Report

cc: Clay Commons, Boyce Spinelli, Joseph Spremulli, Ricky Caruolo, Peter LePage, Steve Santaniello, Rich Razza, Paul Gadoury, PE, Steve Soito, PE, Fred Crosby, Mike Covellone, John Phillips, PE

Providence Water

pH Transition Implementation Plan
Philip J. Holton Water Purification Plant
Monthly Report
April 2013

This Monthly Report follows the outline of the RIDOH December 6, 2012 letter requesting monthly updates on all activity related to corrosion control.

1. pH Transition

The initial transition to a higher pH began on Wednesday, February 6, 2013.

The second and final transition to the higher pH of 10.2 began on Monday, March 25, 2013 and the CO_2 dose was terminated.

During April, the Treatment Plant Effluent and Academy Avenue pH and Alkalinity had the following values:

	Effluent Water		Academy Avenue	
	pH (SU)	T. Alkalinity (mg/l)	pH (SU)	T. Alkalinity (mg/l)
Min.	10.28	15.10	10.13	13.80
Max.	10.51	17.50	10.40	16.20
Avg.	10.41	16.33	10.27	14.97

See Attachment No. 1 - April pH and Alkalinity Data Tables.

2. Special Sampling Studies of Lead Service Line

A. Sequential and LSL Sampling & Testing

The Post-CCTC sampling began on February 11, and continues based on the approved Protocol.

Sampling data received to date extends through the first week of April, with the next round of sampling to take place in the first week of May. The data received so far suggests a very modest decrease in total lead, particularly in the samples of water that had been stagnant in the lead service line at most locations.

See Attachment No. 2 - Samples from Lead Service Line, for the eight participant site/address test results, for essentially all metals.

B. PRS Stations' Monitoring (Academy Ave., Brown University, Commercial Building)

The PRS Stations sampling and testing that was resumed at the end of January continues.

C. Virginia Tech (VT) Pipe Loop Rigs (Academy Ave., Water Treatment Plant)

Sampling and testing continues on the VT Rigs that were placed back in service the last week in February. The intention continues to sample and test once per month.

3. Special Sampling Studies - Lead attached to Iron Particles

Marc Edwards, with his associate Sheldon Masters (both from Virginia Tech), continue to study the relationship between elevated iron concentrations and lead release, and will share any new findings.

4. Special Sampling Studies - TCR Sites, LCR Sites, WTP Finished Water

A. Special Total Coliform Rule (TCR) Sites (4)

Four TCR sites were chosen for ease of sampling and their dispersed geographical locations. The additional sampling and testing that began at these sites on February 1, continues once every two weeks.

B. Lead and Copper Rule (LCR) Sites

The additional testing of the LCR sites (100) during the normal 6 month semesters that began in December 2012, continues. The additional tests being conducted, as requested by the Expert Panel, are for Dissolved Lead, Total Iron, and Total Zinc.

C. Total Coliform Rule (TCR) Sites (44)

The added Turbidity testing continues.

D. WTP Finished Water Sampling

The addition of Oxygen Reduction Potential (ORP) to the typical daily analyses of the finished water, continues with weekly field tests and laboratory tests every 8 weeks Post-CCTC.

5. Experimental Pipe Loops

The eight, four (4) foot lead service lines (5/8" inch) that were harvested for use in the pipe loop racks have been cut into sixteen, two (2) foot samples, ready for future insertion into the pipe loops. They will initially be conditioned by hand using the manual fill and dump method. This fill and dump method will be employed while the pipe loop racks are being fabricated, and then the best eight will be inserted into the loops for further conditioning.

A more detailed schematic was developed with all components identified such as rotometers, throttling and ball valves, sampling ports, etc. and then modified to include the free discharge of the effluent and a single discharge manifold stack. The frame work of the loop support system was designed and the PO accounts set up with the suppliers.

As per the Expert Panel's report, further consultation with the Panel is warranted once the current data is analyzed to determine what future experiments/pilot studies may be warranted.

April

	Effluent Water		Academy Ave., Tap	
Date	pH SU	T. Alk. mg/l	pH SU	T. Alk. mg/l
4/1/2013	10.47	17.00	10.32	15.20
4/2/2013	10.48	17.00	10.28	15.00
4/3/2013	10.51	17.50	10.34	16.00
4/4/2013	10.38	16.70	10.36	15.50
4/5/2013	10.45	17.00	10.32	15.70
4/6/2013	10.45	17.20		
4/7/2013				
4/8/2013	10.50	17.20	10.40	16.20
4/9/2013	10.45	17.10	10.20	15.00
4/10/2013	10.39	16.50		
4/11/2013	10.40	16.10	10.28	14.80
4/12/2013	10.31	15.70	10.28	15.00
4/13/2013	10.45	15.80		
4/14/2013				
4/15/2013	10.43	16.20	10.31	15.10
4/16/2013	10.45	16.80	10.32	15.20
4/17/2013	10.49	17.00	10.28	15.00
4/18/2013	10.50	17.00	10.31	15.50
4/19/2013	10.41	16.10	10.27	15.00
4/20/2013	10.34	15.80		
4/21/2013				
4/22/2013	10.36	16.10	10.23	14.70
4/23/2013	10.37	16.10	10.24	14.60
4/24/2013	10.39	15.50	10.20	14.70
4/25/2013	10.39	15.80	10.22	14.20
4/26/2013	10.34	15.50	10.15	14.30
4/27/2013	10.36	15.60		
4/28/2013				
4/29/2013	10.28	15.10	10.13	13.80
4/30/2013	10.34	15.20	10.18	13.80
Minimum	10.28	15.10	10.13	13.80
Maximum	10.51	17.50	10.40	16.20
Average	10.41	16.33	10.27	14.97

Loc #1, 57 Holburn Ave

Date: 1/4/13; inside faucet — E301238

Flow rate = 1.49 gpm — pH = 9.33 / 9.53

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0052**	0.0010	0.20	0.051	**0.0520**	**0.0100**	0.0051	0.0048	**0.0710**
2	#02, 1/2 Liter	**0.0028**	0.0010	0.19	0.051	**0.0430**	**0.0110**	0.0051	0.0038	0.0071
3	#03, 1 Liter	0.0010	0.0010	0.22	0.051	0.0110	0.0026	0.0051	0.0071	0.0051
4	#04, 1 Liter	0.0010	0.0010	**0.23**	0.051	0.0110	0.0021	0.0051	**0.0073**	0.0062
5	#05, 1 Liter	0.0012	0.0010	0.22	0.051	0.0082	0.0023	0.0051	0.0071	0.0051
6	#06, 1 Liter	0.0012	0.0010	**0.23**	0.051	0.0078	0.0021	0.0051	**0.0073**	0.0040
7	#07, 3 min 1 Liter	0.0010	0.0010	0.22	0.051	0.0120	0.0025	0.0051	0.0070	**0.0072**

Date: 1/18/13; outside spigot — E301D07

Flow rate = 1.69 gpm — pH = 9.61 / 9.90 — temp = 18.9 / 7.6

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**1.3000**	**0.0440**	**0.43**	0.065	**0.4100**	**0.0480**	**0.056**	**0.0150**	**0.6000**
2	#02, 1/2 Liter	0.0045	0.0010	0.21	0.051	**0.0160**	**0.0031**	0.0051	0.0042	0.0095
3	#03, 1 Liter	0.0100	0.0010	0.20	0.051	0.0093	0.0026	0.0051	0.0040	0.0250
4	#04, 1 Liter	**0.0260**	0.0019	0.21	0.051	0.0076	0.0019	0.0051	0.0047	0.0280
5	#05, 1 Liter	0.0190	0.0013	0.21	0.051	0.0044	0.0016	0.0051	0.0050	**0.0290**
6	#06, 1 Liter	0.0180	**0.0045**	0.22	**0.067**	0.0032	0.0015	0.0051	0.0058	0.0250
7	#07, 1 Liter	0.0042	0.0010	**0.24**	**0.083**	0.0026	0.0015	0.0051	0.0075	0.0190
8	#08, 3 min 1 Liter	0.0010	0.0010	**0.24**	0.064	0.0010	0.0010	0.0051	**0.0076**	0.0210

Date: 1/22/13; outside spigot — E301F54

Flow rate = 1.75 gpm; pH = 9.61 / 9.89; temp = 15.2 / 6.4

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01 1/2 Liter	**0.2600**	0.0023	**0.30**	0.051	**0.3200**	**0.0150**	**0.0084**	**0.0084**	**0.4400**
2	#02 1 Liter	0.0150	0.0024	**0.24**	0.051	**0.0100**	0.0024	0.0051	0.0038	0.0056
3	#03 1 Liter	0.0180	0.0031	**0.24**	0.051	0.0037	**0.0031**	0.0051	0.0042	0.0061
4	#04 1 Liter	0.0230	**0.0041**	**0.24**	0.051	0.0022	0.0014	0.0051	0.0042	**0.0073**
5	#05 1 Liter	**0.0260**	**0.0044**	0.22	0.051	0.0021	0.0017	0.0051	0.0051	0.0051
6	#06 1 Liter	0.0024	0.0010	0.23	0.051	0.0015	0.0010	0.0051	0.0070	0.0051
7	#07 3 min 1 Liter	0.0010	0.0010	0.23	0.051	0.0010	0.0010	0.0051	**0.0071**	0.0051

Date: 1/25/13; outside spigot — E301H01

Flow rate = 2.52 gpm; pH = 9.55; temp = 16.9 / 17.1

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01 1/2 Liter	**0.035**	0.001	0.21	0.051	**0.0170**	**0.0027**	0.0051	0.0045	0.0051
2	#02 1 Liter	**0.110**	**0.051**	0.20	0.051	**0.0100**	0.0016	0.0051	0.0045	0.0051
3	#03 1 Liter	0.030	**0.020**	0.21	0.051	0.0038	**0.0036**	0.0051	0.0052	0.0051
4	#04 1 Liter	0.014	0.009	0.20	0.051	0.0031	0.0021	0.0051	0.0053	0.0051
5	#05 1 Liter	0.012	0.004	0.21	0.051	0.0027	0.0031	0.0051	0.0060	0.0051
6	#06 1 Liter	0.009	0.005	**0.22**	0.051	0.0023	0.0011	0.0051	**0.0068**	0.0051
7	#07 3 min 1 Liter	0.001	0.001	**0.22**	**0.057**	0.0010	0.0010	0.0051	**0.0068**	0.0051

Date: 1/30/13; outside spigot — E301K64

Flow rate = 2.36 gpm; pH = 9.61 / 9.80; temp = 17.5 / 10.4

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01 1/2 Liter	**0.0300**	0.0013	**0.2800**	0.0510	**0.0220**	**0.0140**	0.0051	0.0043	0.0068
2	#02 1 Liter	0.0240	**0.0042**	0.2600	0.0510	**0.0072**	**0.0032**	0.0051	0.0041	0.0120
3	#03 1 Liter	**0.0860**	**0.0056**	0.2700	0.0530	0.0027	0.0011	0.0051	0.0046	**0.0140**
4	#04 1 Liter	0.0170	0.0024	0.2600	0.0510	0.0016	0.0010	0.0051	0.0056	0.0120
5	#05 1 Liter	0.0120	0.0037	0.2700	**0.0810**	0.0013	0.0016	0.0051	0.0068	**0.0140**
6	#06 1 Liter	0.0038	0.0010	**0.2800**	0.0540	0.0010	0.0010	0.0051	**0.0080**	0.0096
7	#07 3 min 1 Liter	0.0010	0.0010	**0.3000**	**0.0740**	0.0010	0.0010	0.0051	**0.0086**	0.0096

Date: 2/11/13; inside faucet — E302596

Flow rate = 1.30 gpm; pH = 9.65 / 9.81

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0049**	0.001	**0.22**	0.051	**0.032**	**0.011**	0.0051	0.005	0.009
2	#02, 1 Liter	0.003	0.001	0.2	0.051	0.0011	0.0011	0.0051	**0.0057**	**0.01**
3	#03, 3 min 1 Liter	0.001	0.001	0.2	0.051	0.001	0.001	0.0051	**0.0063**	0.016

Date: 2/13/13; outside spigot — E302953

Flow rate = 2.56 gpm; pH = 9.61 / 9.79; temp = 15 / 7.3

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.026**	0.001	0.26	0.051	**0.017**	**0.0034**	0.0051	0.0043	0.0075
2	#02, 1 Liter	0.021	**0.0032**	0.3	**0.078**	0.0036	0.0012	0.0051	0.0057	**0.012**
3	#03, 3 min 1 Liter	0.0036	0.001	**0.44**	**0.076**	0.001	0.001	0.0051	**0.012**	0.0084

ATTACHMENT NO. 2

Date: 2/20/13; outside spigot — E302E21

Flow rate = 2.22 gpm | pH = 9.77 / 9.94 | temp = 15.4 / 8.0

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0095	0.0010	**0.2500**	0.0510	**0.0250**	**0.0027**	0.0051	0.0058	0.0053
2	#02, 1 Liter	**0.0120**	0.0010	**0.2500**	0.0510	0.0027	0.0010	0.0051	0.0062	**0.0120**
3	#03, 3 min 1 Liter	0.0010	0.0010	**0.2500**	0.0510	0.0010	0.0010	0.0051	**0.0072**	0.0092

Date: 2/21/13; inside faucet — E302E20

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0210**	**0.0011**	**0.3100**	0.0510	**0.0270**	**0.0056**	0.0051	**0.0083**	**0.0550**
2	#02, 1 Liter	0.0081	0.0010	0.1800	0.0510	0.0035	0.0012	0.0051	0.0061	0.0250
3	#03, 3 min 1 Liter	0.0045	0.0010	0.2000	0.0510	0.0013	0.0010	0.0051	0.0077	0.0140

Date: 3/1/13; inside faucet — E303079

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1		**0.0030**	0.0010	0.2400	0.0510	**0.0200**	**0.0080**	0.0051	0.0047	**0.0680**
2		0.0027	0.0010	0.2400	0.0510	0.0075	0.0031	0.0051	0.0051	0.0140
3		0.0010	0.0010	**0.2500**	**0.0580**	0.0010	0.0010	0.0051	**0.0070**	0.0110

Date: 3/6/13; outside faucet — E303572

ATP = 646 ME/mL | Flow rate = 2.24 gpm | pH = 9.83 / 9.94 | temp = 17 / 8.5

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1		0.0150	0.0010	**0.4100**	0.0510	**0.0140**	**0.0067**	0.0051	0.0069	0.0056
2		**0.0170**	**0.0018**	0.4000	**0.0720**	0.0052	0.0015	0.0051	**0.0094**	**0.0120**
3		0.0010	0.0010	0.3100	0.0510	0.0010	0.0010	0.0051	**0.0094**	0.0110

ATTACHMENT NO. 2

Date: 3/7/13; inside faucet — E303571

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0052	0.0010	**0.2300**	0.0510	**0.0340**	**0.0120**	0.0051	0.0049	0.0140
2	**0.0053**	0.0010	0.1800	0.0510	0.0016	0.0010	0.0051	0.0049	**0.0150**
3	0.0010	0.0010	0.2100	0.0510	0.0018	0.0010	0.0051	**0.0070**	0.0140

Date: 4/2/13; inside faucet — E304162

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0035	0.0010	0.1200	0.0510	**0.0140**	**0.0057**		0.0026	0.0051
2	**0.0092**	0.0010	0.1300	0.0510	0.0010	0.0010		0.0032	**0.0110**
3	0.0010	0.0010	**0.1400**	0.0510	0.0010	0.0010		**0.0040**	**0.0110**

Date: 4/9/13; outside faucet E304758

ATP = 1542 Flow rate = 2.17 gpm pH = 10.0 / 10.11 temp = 13.4 / 10.0

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0110	0.0010	0.1600	0.0510	**0.0090**	**0.0026**		0.0037	0.0072
2	**0.0370**	**0.0016**	0.1700	0.0510	0.0054	0.0016		0.0038	**0.0120**
3	0.0013	0.0010	**0.1800**	0.0510	0.0010	0.0010		**0.0048**	0.0093

ATTACHMENT NO. 2

Loc #2 26 Keith Avenue

Sample date 1/8/2013; Outside spigot; E301631

Flow rate = 1.63 gpm pH = 9.42 / 9.53

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0095	0.0016	0.100	0.051	**0.0430**	**0.0110**	0.0051	0.0038	**0.0590**
2	#02, 1/2 Liter	0.0067	0.0010	0.150	0.051	0.0110	**0.0045**	0.0051	0.0039	**0.0180**
3	#03, 1 Liter	0.0370	0.0050	0.150	0.051	0.0073	0.0031	0.0051	0.0042	0.0063
4	#04, 1 Liter	0.0530	**0.0098**	**0.160**	0.051	0.0021	0.0010	0.0051	0.0046	0.0051
5	#05, 1 Liter	**0.0550**	0.0058	**0.160**	0.051	0.0011	0.0010	0.0051	**0.0048**	0.0051
6	#06, 1 Liter	**0.0580**	**0.0093**	0.150	0.051	0.0010	0.0010	0.0051	**0.0048**	0.0051
7	#07, 1 Liter	0.0170	0.0023	0.110	0.051	0.0010	0.0010	0.0051	0.0042	0.0051
8	#08, 3 min 1 Liter	0.0033	0.0010	0.093	0.051	**0.0130**	0.0041	0.0051	0.0032	0.0062

Sample date 1/9/2013; Inside faucet; E301690

Flow rate = 2.10 gpm pH = 9.46 / 9.54

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0036	0.0010	**0.140**	0.051	**0.0160**	**0.0059**	0.0051	0.0032	**0.0470**
2	#02, 1/2 Liter	0.0048	0.0010	0.120	0.051	**0.0092**	0.0034	0.0051	0.0030	**0.0240**
3	#03, 1 Liter	0.0051	0.0010	**0.130**	0.051	0.0076	0.0032	0.0051	0.0036	0.0220
4	#04, 1 Liter	0.0046	0.0010	0.110	0.051	0.0074	0.0032	0.0051	0.0032	0.0170
5	#05, 1 Liter	0.0220	0.0033	0.110	0.051	0.0073	**0.0037**	0.0051	**0.0036**	0.0062
6	#06, 1 Liter	0.0260	0.0019	0.100	0.051	0.0037	0.0018	0.0051	**0.0038**	0.0060
7	#07, 1 Liter	**0.0270**	**0.0041**	0.096	0.051	0.0015	0.0011	0.0051	0.0031	0.0051
8	#08, 1 Liter	**0.0280**	**0.0039**	0.097	0.051	0.0013	0.0011	0.0051	0.0034	0.0052
9	#09, 3 min 1 Liter	0.0080	0.0010	0.100	0.051	0.0016	0.0014	0.0051	0.0032	0.0055

Sample date 1/16/2013; Outside spigot; E301C03

Flow rate = 1.57 gpm pH = 9.60 / 9.69

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0078	0.0019	0.061	0.051	0.0370	**0.0130**	0.0051	0.0025	**0.0490**
2	#02, 1/2 Liter	0.0068	0.0010	0.094	0.051	0.0130	**0.0048**	0.0051	0.0022	0.0200
3	#03, 1 Liter	0.0320	0.0066	0.085	0.051	0.0055	0.0030	0.0051	0.0020	0.0051
4	#04, 1 Liter	**0.0380**	**0.0068**	0.085	0.051	0.0011	0.0012	0.0051	0.0020	0.0051
5	#05, 1 Liter	**0.0400**	**0.0091**	0.084	0.051	0.0013	0.0010	0.0051	0.0020	**0.0250**
6	#06, 1 Liter	0.0370	0.0066	0.085	0.051	0.0011	0.0010	0.0051	0.0020	0.0051
7	#07, 1 Liter	0.0065	0.0011	**0.100**	0.051	0.0010	0.0010	0.0051	**0.0026**	0.0051
8	#08, 3 min 1 Liter	0.0013	0.0010	**0.100**	0.051	0.0010	0.0010	0.0051	**0.0028**	0.0051

Sample date 1/23/2013; Outside spigot; E301G29

Flow rate = 1.46 gpm pH = 9.70 / 9.81

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0089	0.0010	**0.120**	0.051	**0.0280**	**0.0048**	0.0051	**0.0023**	**0.0860**
2	#02, 1/2 Liter	0.0120	0.0032	0.092	0.051	**0.0210**	**0.0054**	0.0051	0.0020	**0.0410**
3	#03, 1 Liter	0.0170	**0.0050**	**0.098**	0.051	0.0051	0.0011	0.0051	**0.0021**	0.0320
4	#04, 1 Liter	**0.0180**	0.0020	0.090	0.051	0.0021	0.0015	0.0051	0.0020	0.0051
5	#05, 1 Liter	**0.0200**	**0.0070**	0.091	0.051	0.0010	0.0010	0.0051	0.0020	0.0051
6	#06, 1 Liter	0.0068	0.0015	0.095	0.051	0.0010	0.0010	0.0051	0.0023	0.0051
7	#07, 3 min 1 Liter	0.0012	0.0010	**0.098**	0.051	0.0010	0.0010	0.0051	0.0026	0.0051

Sample date 1/30/2013; Outside spigot; **E301K65**

Flow rate = 1.59 gpm pH = 9.66 / 9.73

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0090	0.0010	**0.1100**	0.0510	**0.0160**	**0.0074**	0.0051	0.0020	**0.0750**
2	#02, 1 Liter	0.0330	**0.0110**	0.0970	0.0510	**0.0072**	**0.0039**	0.0051	0.0020	0.0150
3	#03, 1 Liter	0.0430	**0.0110**	0.0940	0.0510	0.0014	0.0014	0.0051	0.0020	**0.0180**
4	#04, 1 Liter	**0.0450**	0.0100	0.0950	0.0510	0.0016	0.0017	0.0051	0.0020	0.0140
5	#05, 1 Liter	**0.0460**	0.0100	0.0940	0.0510	0.0010	0.0018	0.0051	0.0020	0.0110
6	#06, 1 Liter	0.0098	0.0028	**0.1100**	0.0510	0.0010	0.0012	0.0051	**0.0033**	0.0120
7	#07, 3 min 1 Liter	0.0012	0.0010	**0.1100**	0.0510	0.0010	0.0010	0.0051	**0.0033**	0.0099

Sample date 2/12/2013; Inside spigot; E302848

Flow rate = 1.77 gpm pH = 9.48 / 9.56

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.005	0.001	**0.11**	0.051	**0.0092**	**0.0046**	0.0051	0.0025	**0.027**
2	#02, 1 Liter	**0.027**	**0.0058**	0.07	0.051	0.001	0.001	0.0051	0.002	0.011
3	#03, 3 min 1 Liter	0.001	0.001	**0.11**	**0.058**	0.001	0.001	0.0051	**0.0031**	0.009
4	#04, 3 min 1 Liter	0.001	0.001	**0.11**	0.051	0.001	0.001	0.0051	**0.0033**	0.0051

Sample date 2/13/2013; Outside spigot; E302952

Flow rate = 1.70 gpm pH = 9.56 / 9.66 temp = 12.7 / 7.7

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.062**	0.0024	**0.19**	0.051	**0.02**	**0.0075**	0.0051	**0.0053**	**0.053**
2	#02, 1 Liter	0.031	**0.0053**	0.086	0.051	0.001	0.001	0.0051	0.0023	0.0091
3	#03, 3 min 1 Liter	0.001	0.001	0.089	0.051	0.001	0.0012	0.0051	0.0022	0.0086
4	#04, 3 min 1 Liter	0.001	0.001	0.089	0.051	0.001	0.001	0.0051	0.0022	0.0085

ATTACHMENT NO. 2

Sample date 2/21/2013; Outside spigot; E302E17

Flow rate = 2.30 gpm pH = 9.93 / 10.02 temp = 10.2 / 8.2

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0120	0.0010	0.0920	0.0510	**0.0140**	**0.0061**	0.0051	0.0020	0.0120
2	#02, 1 Liter	**0.0270**	0.0010	0.0980	0.0510	0.0012	0.0010	0.0051	0.0022	**0.0140**
3	#03, 3 min 1 Liter	0.0010	0.0010	**0.1400**	0.0510	0.0010	0.0010	0.0051	**0.0040**	0.0110
4	#04, 3 min 1 Liter	0.0010	0.0010	**0.1300**	0.0510	0.0010	0.0010	0.0051	**0.0039**	0.0087

Sample date 2/20/2013; Inside spigot; E302D40

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0110	0.0010	0.1500	0.0510	**0.0011**	0.0010	0.0051	0.0039	0.0051
2	#02, 1 Liter	**0.0130**	**0.0017**	0.1500	0.0510	0.0010	0.0010	0.0051	0.0040	**0.0120**
3	#03, 3 min 1 Liter	0.0022	0.0010	**0.1600**	0.0510	0.0010	0.0010	0.0051	**0.0043**	0.0110
4	#04, 3 min 1 Liter	0.0014	0.0010	**0.1600**	0.0510	0.0010	0.0010	0.0051	0.0041	0.0120

Sample date 2/26/2013; Inside spigot; E302H07

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1		**0.0018**	0.001	0.14	0.051	0.001	0.001	0.0051	0.0036	0.0051
2		0.0014	0.001	0.14	0.051	0.001	0.001	0.0051	0.0037	**0.0099**
3		0.0013	0.001	0.14	0.051	0.001	0.001	0.0051	**0.0039**	0.0095
4		0.0011	0.001	**0.15**	0.051	0.001	0.001	0.0051	0.0037	**0.0099**

ATTACHMENT NO. 2

Sample date 2/27/2013; Outside spigot; E302I59

ATP = 104 ME/mL | Flow rate = 1.93 gpm | pH = 9.78 / 9.96 | temp = 13.4 / 9.6

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0049	0.0010	0.0790	0.0510	**0.0160**	**0.0069**	0.0051	0.0020	0.0092
2	**0.0290**	**0.0042**	0.0760	0.0510	0.0011	0.0010	0.0051	0.0020	0.0097
3	0.0010	0.0010	**0.0880**	0.0510	0.0010	0.0010	0.0051	**0.0023**	**0.0120**
4	0.0010	0.0010	**0.0880**	0.0510	0.0010	0.0010	0.0051	0.0022	0.0088

Sample date 3/5/2013; Inside spigot; E303294

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.0260**	**0.0064**	0.0640	0.0510	**0.0013**	**0.0011**	0.0051	0.0020	0.0051
2	0.0014	0.0010	0.1200	0.0510	0.0010	0.0010	0.0051	0.0032	0.0090
3	0.0012	0.0010	**0.1300**	0.0510	0.0010	0.0010	0.0051	**0.0034**	**0.0098**
4	0.0011	0.0010	**0.1300**	0.0510	0.0010	0.0010	0.0051	**0.0034**	**0.0100**

Sample date 3/6/2013; Outside spigot; E303574

ATP = 427 ME/mL | Flow rate = 2.04 gpm | pH = 9.77 / 9.86 | temp = 13.6 / 10.5

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0076	0.0016	**0.0610**	0.0510	**0.0120**	**0.0069**	0.0051	0.0020	0.0100
2	**0.0270**	**0.0079**	0.0570	0.0510	0.0011	0.0010	0.0051	0.0020	0.0110
3	0.0011	0.0010	0.0730	0.0510	0.0010	0.0010	0.0051	0.0020	0.0099
4	0.0012	0.0010	0.0710	0.0510	0.0010	0.0010	0.0051	0.0020	**0.0250**

Sample date 4/2/2013; Inside spigot; E304160

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.0032**	0.001	0.088	0.051	0.001	0.001		0.002	0.0051
2	0.0015	0.001	0.086	0.051	0.001	0.001		0.002	**0.011**
3	0.0014	0.001	**0.089**	0.051	0.001	0.001		**0.0023**	**0.011**

Sample date 4/9/2013; Outside spigot; **E304A24**

ATP = 3268 ME/ml Flow rate = 2.08 gpm pH = 9.76 / 9.85 temp = 18.3 / 17.2

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0130	0.0010	**0.0940**	0.0510	**0.0150**	**0.0061**		**0.0027**	**0.0240**
2	**0.0220**	**0.0092**	0.0530	0.0510	0.0057	0.0040		0.0020	0.0160
3	0.0016	0.0010	0.0540	0.0510	0.0010	0.0010		0.0020	0.0110

ATTACHMENT NO. 2

Loc #3, 32 Lorimer Ave

Date: 1/10/13; outside spigot E301770

Flow rate = 2.04 gpm pH = 9.50 / 9.63

		Units	**ppm**	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01, 1/2 Liter	Result	0.0140	0.0050	0.051	0.051	**0.0160**	0.0060	0.0051	0.0020	**0.1300**
2	#02, 1/2 Liter	Result	0.0230	0.0014	**0.220**	0.051	0.0100	**0.0071**	0.0051	**0.0058**	**0.2000**
3	#03, 1 Liter	Result	0.0240	0.0042	0.200	0.051	**0.0360**	**0.0120**	0.0051	**0.0042**	0.0280
4	#04, 1 Liter	Result	**0.0850**	**0.0100**	**0.210**	0.051	0.0064	0.0027	0.0051	**0.0042**	0.0230
5	#05, 1 Liter	Result	**0.0870**	**0.0100**	**0.210**	0.051	0.0019	0.0014	0.0051	0.0041	0.0220
6	#06, 1 Liter	Result	0.0470	0.0052	0.190	0.051	0.0018	0.0012	0.0051	0.0036	0.0220
7	#07, 1 Liter	Result	0.0049	0.0010	0.058	0.051	0.0012	0.0010	0.0051	0.0020	0.0220
8	#08, 3 min 1 Liter	Result	0.0023	0.0010	0.053	0.051	0.0010	0.0010	0.0051	0.0020	0.0210

Date: 1/11/13; outside spigot E301806

Flow rate = 2.03 gpm pH = 9.50 / 9.56

		Units	**ppm**	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01, 1/2 Liter	Result	0.0160	0.0054	0.051	0.051	**0.0120**	**0.0080**	0.0051	0.0020	**0.1100**
2	#02, 1/2 Liter	Result	0.0120	0.0020	**0.052**	0.051	**0.0120**	0.0068	0.0051	0.0020	**0.1000**
3	#03, 1 Liter	Result	0.0210	0.0099	0.051	0.051	**0.0250**	**0.0140**	0.0051	0.0020	0.0280
4	#04, 1 Liter	Result	**0.0520**	**0.0230**	**0.053**	0.051	0.0041	0.0032	0.0051	0.0020	0.0220
5	#05, 1 Liter	Result	**0.0500**	**0.0210**	0.051	0.051	0.0018	0.0016	0.0051	0.0020	0.0250
6	#06, 1 Liter	Result	0.0220	0.0025	0.150	0.051	0.0017	0.0012	0.0051	0.0042	0.0230
7	#07, 1 Liter	Result	0.0040	0.0010	0.150	0.051	0.0012	0.0010	0.0051	**0.0048**	0.0190
8	#08, 3 min 1 Liter	Result	0.0025	0.0010	0.140	0.051	0.0010	0.0010	0.0051	**0.0049**	0.0230

Date: 1/14/13; inside faucet — E301A06

Flow rate = 1.75 gpm — pH = 9.17 / 9.31

		Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01, 1/2 Liter	Result	0.0120	0.0036	0.074	0.051	**0.0450**	**0.0240**	0.0051	**0.0026**	0.0290
2	#02, 1/2 Liter	Result	0.0170	0.0012	**0.088**	0.051	**0.0320**	0.0140	0.0051	**0.0026**	**0.0490**
3	#03, 1 Liter	Result	0.0180	0.0054	**0.084**	0.051	0.0300	**0.0150**	0.0051	0.0022	**0.0330**
4	#04, 1 Liter	Result	0.0370	0.0130	0.076	0.051	0.0190	0.0095	0.0051	0.0020	0.0210
5	#05, 1 Liter	Result	**0.0700**	**0.0240**	0.082	0.051	0.0042	0.0026	0.0051	0.0021	0.0180
6	#06, 1 Liter	Result	**0.0640**	**0.0180**	0.074	0.051	0.0028	0.0018	0.0051	0.0020	0.0160
7	#07, 1 Liter	Result	0.0140	0.0042	0.054	0.051	0.0023	0.0018	0.0051	0.0024	0.0160
8	#08, 3 min 1 Liter	Result	0.0026	0.0015	0.051	0.051	0.0020	0.0017	0.0051	0.0020	0.0170

Date: 1/22/13; outside spigot — E301F55

Flow rate = 2.66 gpm — pH = 9.74 / 9.76

		Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01 1/2 Liter	Result	0.0290	0.0034	**0.130**	0.051	**0.0210**	**0.0080**	0.0051	**0.0040**	**0.5600**
2	#02 1 Liter	Result	0.0230	0.0120	0.051	0.051	**0.0200**	**0.0150**	0.0051	0.0020	**0.0200**
3	#03 1 Liter	Result	**0.0450**	**0.0220**	0.051	0.051	0.0048	0.0047	0.0051	0.0020	0.0140
4	#04 1 Liter	Result	**0.0390**	**0.0190**	0.051	0.051	0.0023	0.0018	0.0051	0.0020	0.0140
5	#05 1 Liter	Result	0.0120	0.0027	**0.072**	0.051	0.0017	0.0016	0.0051	0.0020	0.0099
6	#06 1 Liter	Result	0.0035	0.0010	0.065	0.051	0.0014	0.0011	0.0051	0.0020	0.0067
7	#07 3 min 1 Liter	Result	0.0022	0.0010	0.064	0.051	0.0010	0.0010	0.0051	0.0020	0.0051

ATTACHMENT NO. 2

Date: 1/24/13; outside spigot — E301G88

Flow rate = 2.21 gpm — pH = 9.64

		Units	**ppm**	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01 1/2 Liter	Result	0.0150	0.0028	0.056	0.051	**0.0310**	**0.0150**	0.0051	0.0020	**0.0710**
2	#02 1 Liter	Result	**0.0370**	0.0200	0.051	0.051	**0.0170**	**0.0120**	0.0051	0.0020	**0.0090**
3	#03 1 Liter	Result	**0.0500**	**0.0390**	0.051	0.051	0.0029	0.0020	0.0051	0.0020	0.0051
4	#04 1 Liter	Result	0.0350	**0.0250**	0.053	0.051	0.0021	0.0018	0.0051	0.0020	0.0051
5	#05 1 Liter	Result	0.0085	0.0015	**0.070**	0.051	0.0016	0.0014	0.0051	0.0020	0.0051
6	#06 1 Liter	Result	0.0032	0.0020	0.060	0.051	0.0016	0.0012	0.0051	0.0020	0.0051
7	#07 3 min 1 Liter	Result	0.0021	0.0014	**0.062**	0.051	0.0012	0.0015	0.0051	0.0020	0.0051

Date: 2/11/13; inside faucet — E302695

Flow rate = 1.72 gpm — pH = 9.32 / 9.43

		Units	**ppm**	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01, 1/2 Liter		0.016	0.0041	0.051	0.051	**0.031**	**0.016**	0.0051	0.002	**0.019**
2	#02, 1 Liter		**0.044**	**0.016**	0.051	0.051	0.0029	0.0021	0.0051	0.002	0.01
3	#03, 3 min 1 Liter		0.0023	0.001	**0.063**	0.051	0.0014	0.0013	0.0051	0.002	0.0092

Date: 2/14/13; outside spigot — E302A39

Flow rate = 2.04 gpm — pH = 9.46 / 9.69 — temp = 13.5 / 10.2

		Units	**ppm**	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1	#01, 1/2 Liter		0.0340	0.0043	**0.1600**	0.0510	**0.0150**	**0.0049**	0.0051	**0.0029**	**1.4000**
2	#02, 1 Liter		**0.0480**	**0.0150**	0.0510	0.0510	0.0020	0.0017	0.0051	0.0020	0.0160
3	#03, 3 min 1 Liter		0.0018	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0110

Date: 2/18/13; inside faucet — E302C09

	Parameter	Units	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter		0.0210	0.0076	0.0580	0.0510	**0.0230**	**0.0140**	0.0051	0.0020	**0.0170**
2	#02, 1 Liter		**0.0500**	**0.0220**	**0.0680**	0.0510	0.0031	0.0022	0.0051	0.0020	0.0120
3	#03, 3 min 1 Liter		0.0020	0.0010	0.0510	0.0510	0.0012	0.0010	0.0051	0.0020	0.0093

Date: 2/22/13; outside spigot — E302F62

Flow rate = 2.82 gpm — pH = 9.69 / 9.77 — temp =23.5 / 11.3

	Parameter	Units	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter		0.0240	0.0022	**0.0860**	0.0510	**0.0160**	**0.0110**	0.0051	**0.0024**	**0.6800**
2	#02, 1 Liter		**0.0300**	**0.0086**	0.0510	0.0510	0.0025	0.0022	0.0051	0.0020	0.0210
3	#03, 3 min 1 Liter		0.0018	0.0010	0.0620	0.0510	0.0010	0.0012	0.0051	0.0020	0.0150

Date: 2/25/13; outside spigot — E302H06

Flow rate = 2.89 gpm — pH = 9.87 / 9.91 — temp = 15.9 / 10.5

	Parameter	Units	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1			0.0130	0.0068	**0.0560**	0.0510	**0.0097**	**0.0053**	0.0051	0.0020	**0.3000**
2			**0.0460**	**0.0180**	0.0510	0.0510	0.0019	0.0018	0.0051	0.0020	0.0150
3			0.0017	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0120

Date: 2/28/13; inside faucet — E303075

	Parameter	Units	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1			0.0096	0.0044	0.0510	0.0510	**0.0280**	**0.0180**	0.0051	0.0020	**0.0160**
2			**0.0370**	**0.0170**	0.0510	0.0510	0.0025	0.0018	0.0051	0.0020	0.0140
3			0.0019	0.0010	0.0510	0.0510	0.0011	0.0010	0.0051	0.0020	0.0092

ATTACHMENT NO. 2

Date: 3/4/13; outside spigot — E303295

ATP = 582 ME/mL | Flow rate = 3.12 gpm | pH = 9.82 / 9.94 | temp = 12.8 / 9.1

	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1		0.0093	0.0022	0.0540	0.0510	**0.0230**	**0.0140**	0.0051	0.0020	**0.1100**
2		**0.0370**	**0.0180**	0.0510	0.0510	0.0020	0.0016	0.0051	0.0020	0.0230
3		0.0017	0.0010	**0.0550**	0.0510	0.0010	0.0010	0.0051	0.0020	0.0130

Date: 3/7/13; inside spigot — E303641

	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1		**0.0100**	**0.0045**	0.0510	0.0510	**0.0240**	**0.0160**	0.0051	0.0020	0.0180
2		0.0063	0.0010	0.1200	0.0510	0.0016	0.0012	0.0051	0.0025	**0.0310**
3		0.0120	0.0010	**17.0000**	**0.2100**	0.0110	0.0089	0.0050	**0.1800**	0.0280

Date: 4/2/13; outside faucet — E304340

ATP = 1782 ME/mL | Flow rate = 2.04 gpm | pH = 9.18 / 9.19 | temp = 12.9 / 11.1

	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	Parameter	**Lead**	Diss Lead	Iron	Diss Iron	Copper	Diss Copper	Tin	Manganese	Zinc
1		**0.0910**	**0.0073**	**0.8500**	0.0510	**0.0280**	**0.0054**		**0.0110**	**1.8000**
2		0.0420	0.0250	0.0510	0.0510	0.0018	0.0014		0.0020	0.0240
3		0.0025	0.0012	0.0510	0.0510	0.0010	0.0010		0.0020	0.0110

ATTACHMENT NO. 2

Loc #4, 56 Gentian Ave

Date: 1/15/13; inside faucet — E301A44

Flow rate = 1.48 gpm — pH = 9.50 / 9.59

Sample#:		**ppm Lead**	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0077	**0.0019**	0.051	0.051	**0.0220**	0.0150	0.0051	0.002	0.0220
2	#02, 1/2 Liter	**0.0080**	**0.0025**	0.051	0.051	0.0120	0.0088	0.0051	0.002	0.0051
3	#03, 1 Liter	0.0055	0.0010	**0.120**	0.051	**0.0140**	0.0059	0.0051	0.002	**0.0240**
4	#04, 1 Liter	**0.0081**	0.0012	**0.130**	0.051	0.0052	0.0034	0.0051	0.002	0.0190
5	#05, 1 Liter	0.0042	0.0012	0.051	0.051	0.0024	0.0018	0.0051	0.002	**0.0300**
6	#06, 1 Liter	0.0021	0.0010	0.051	0.051	0.0024	0.0020	0.0051	0.002	0.0200
7	#07, 1 Liter	0.0019	0.0010	0.051	0.051	0.0021	0.0021	0.0051	0.002	0.0180
8	#08, 1 Liter	0.0013	0.0010	0.051	0.051	0.0012	0.0012	0.0051	0.002	0.0180
9	#09, 1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0220
10	#10, 3 min 1 Liter	0.0012	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0150

Date: 1/17/13; outside spigot — E301C76

Flow rate = 1.30 gpm — pH = 9.84 / 9.91

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#02, 1/2 Liter	**0.0150**	**0.0078**	0.051	0.051	**0.0043**	**0.0031**	0.0051	0.002	0.0080
2	#03, 1 Liter	**0.0039**	**0.0016**	0.051	0.051	**0.0028**	**0.0024**	0.0051	0.002	0.0190
3	#04, 1 Liter	0.0034	0.0010	0.051	0.051	0.0017	0.0016	0.0051	0.002	0.0170
4	#05, 1 Liter	0.0019	0.0010	0.051	0.051	0.0011	0.0010	0.0051	0.002	**0.0310**
5	#06, 1 Liter	0.0015	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0170
6	#07, 1 Liter	0.0016	0.0010	0.051	0.051	0.0010	0.0012	0.0051	0.002	0.0170
7	#08, 1 Liter	0.0014	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	**0.0220**
8	#09, 1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0160
9	#10, 3 min 1 Liter	0.0012	0.0010	0.051	0.051	0.0010	0.0012	0.0051	0.002	0.0051

Date: 1/23/13; outside spigot E301G28

Flow rate = 1.38 gpm pH = 9.61 / 9.75

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0170**	**0.0055**	0.051	0.051	**0.0090**	**0.0054**	0.0051	0.002	0.0051
2	#02, 1 Liter	0.0086	**0.0033**	0.051	0.051	**0.0052**	**0.0034**	0.0051	0.002	**0.0091**
3	#03, 1 Liter	**0.0110**	0.0030	0.051	0.051	0.0018	0.0013	0.0051	0.002	0.0051
4	#04, 1 Liter	0.0036	0.0010	0.051	0.051	0.0014	0.0011	0.0051	0.002	0.0051
5	#05, 1 Liter	0.0016	0.0010	0.051	0.051	0.0013	0.0010	0.0051	0.002	0.0051
6	#06, 1 Liter	0.0014	0.0010	0.051	0.051	0.0012	0.0010	0.0051	0.002	0.0051
7	#07, 1 Liter	0.0014	0.0010	0.051	0.051	0.0010	0.0011	0.0051	0.002	0.0051
8	#08, 1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0051
9	#09, 3 min 1 Liter	0.0012	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0051

Date: 1/25/13; outside spigot E301H02

Flow rate = 1.52 gpm pH = 9.66 / 9.79

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0084	0.0019	0.051	0.051	**0.0200**	**0.0080**	0.0051	0.002	**0.0300**
2	#02, 1 Liter	**0.0110**	**0.0030**	0.051	0.051	**0.0120**	**0.0062**	0.0051	0.002	**0.0330**
3	#03, 1 Liter	**0.0180**	**0.0038**	0.051	0.051	0.0022	0.0016	0.0051	0.002	0.0051
4	#04, 1 Liter	0.0044	0.0010	0.051	0.051	0.0016	0.0013	0.0051	0.002	0.0051
5	#05, 1 Liter	0.0016	0.0010	0.051	0.051	0.0016	0.0018	0.0051	0.002	0.0051
6	#06, 1 Liter	0.0014	0.0010	0.051	0.051	0.0013	0.0013	0.0051	0.002	0.0051
7	#07, 1 Liter	0.0014	0.0010	0.051	0.051	0.0022	0.0023	0.0051	0.002	0.0051
8	#08, 1 Liter	0.0014	0.0010	0.051	0.051	0.0010	0.0012	0.0051	0.002	0.0051
9	#09, 3 min 1 Liter	0.0012	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0051

Date: 1/28/13; outside spigot — E301H38

Flow rate = 1.57 gpm — pH = 9.52 / 9.72

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0230**	0.0077	0.055	0.051	**0.0250**	**0.0200**	0.0051	0.002	0.0051
2	#02, 1 Liter	0.0180	**0.0100**	0.051	0.051	**0.0170**	**0.0140**	0.0051	0.002	**0.0190**
3	#03, 1 Liter	**0.0300**	**0.0160**	0.051	0.051	0.0030	0.0025	0.0051	0.002	0.0051
4	#04, 1 Liter	0.0063	0.0020	0.051	0.051	0.0022	0.0015	0.0051	0.002	0.0051
5	#05, 1 Liter	0.0017	0.0010	0.051	0.051	0.0016	0.0014	0.0051	0.002	0.0051
6	#06, 1 Liter	0.0015	0.0012	0.051	0.051	0.0019	0.0016	0.0051	0.002	0.0051
7	#07, 1 Liter	0.0014	0.0010	0.051	0.051	0.0012	0.0010	0.0051	0.002	0.0051
8	#08, 1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.002	0.0051
9	#09, 3 min 1 Liter	0.0012	0.0010	0.051	0.051	0.0010	0.0012	0.0051	0.002	0.0051

Date: 2/11/13; outside faucet — E302594

Flow rate = 1.82 gpm — pH = 9.74 / 9.78 — temp = 3.4 / 2.8

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0041**	0.001	0.051	0.051	**0.0055**	**0.0034**	0.0051	0.002	0.0051
2	#02, 1 Liter **	0.0013	0.001	0.051	0.051	0.0012	0.0012	0.0051	0.002	**0.0088**
3	#03, 3 min 1 Liter	0.001	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	**0.0087**

Date: 2/12/13; inside spigot — E302694

Flow rate = 1.90 gpm — pH = 9.71 / 9.72

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.011**	0.001	**0.055**	0.051	**0.0045**	**0.0025**	0.0051	0.002	0.0051
2	#02, 1 Liter **	0.0013	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	**0.0096**
3	#03, 3 min 1 Liter	0.001	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.0092

ATTACHMENT NO. 2

Date: 2/18/13; inside faucet — E302A72

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0100**	**0.0022**	0.0510	0.0510	**0.0061**	**0.0041**	0.0051	0.0020	0.0051
2	#02, 1 Liter **	0.0012	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	**0.0086**
3	#03, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0083

Date: 2/19/13; outside spigot — E302C07

Flow rate = 0.88 gpm pH = 9.75 / 9.82 temp =10.2 / 6.7

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0110**	**0.0020**	0.0510	0.0510	**0.0045**	**0.0022**	0.0051	0.0020	0.0056
2	#02, 1 Liter **	0.0018	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	**0.0096**
3	#03, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0091

Date: 2/25/13; outside spigot — E302G22

Flow rate = 1.21 gpm pH = 9.82 / 9.97 temp =13.9 / 8.9

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.0100**	**0.0039**	0.0510	0.0510	**0.0098**	**0.0089**	0.0051	0.0020	0.0051
2	**0.0100**	0.0014	0.0510	0.0510	0.0014	0.0020	0.0051	0.0020	**0.0094**
3	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	**0.0093**

Date: 2/26/13; inside faucet — E302H08

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.011**	0.0031	0.051	0.051	**0.01**	**0.0069**	0.0051	0.002	0.0051
2	0.007	**0.0034**	0.051	0.051	0.0014	0.0013	0.0051	0.002	**0.0093**
3	0.001	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.0075

ATTACHMENT NO. 2

Date: 3/4/13; outside spigot — E303185

ATP = 256 ME/mL | Flow rate = 1.15 gpm | pH = 9.90 / 9.99 | temp =10.2 / 8.4

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0080	0.0050	0.0510	0.0510	**0.0120**	**0.0092**	0.0051	0.0020	0.0060
2	**0.0120**	**0.0060**	0.0510	0.0510	0.0016	0.0014	0.0051	0.0020	**0.0120**
3	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0089

Date: 3/5/13; inside faucet — E303293

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.0096**	**0.0037**	0.0510	0.0510	**0.0150**	**0.0100**	0.0051	0.0020	0.0051
2	0.0093	0.0032	0.0510	0.0510	0.0018	0.0019	0.0051	0.0020	**0.0120**
3	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0091

Date: 4/2/13; outside faucet — E304159

ATP = 145 ME/mL | Flow rate = 1.33 gpm | pH = 10.12 / 9.80 | temp = 9.7 / 7.6

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0027	0.0010	0.0510	0.0510	**0.0044**	**0.0033**		0.0020	0.0150
2	**0.0059**	**0.0026**	0.0510	0.0510	0.0010	0.0010		0.0020	0.0120
3	0.0013	0.0010	0.0510	0.0510	0.0010	0.0010		0.0020	**0.0180**

Date: 4/8/13; inside faucet — E304643

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.0110**	**0.0052**	0.0510	0.0510	0.0093	0.0071		0.0020	0.0051
2	0.0079	0.0038	0.0510	0.0510	**0.0098**	**0.0072**		0.0020	**0.0140**
3	0.0013	0.0010	0.0510	0.0510	0.0010	0.0010		0.0020	0.0110

ATTACHMENT NO. 2

Loc # 5, 42 Harkness Street

Date: 1/8/13; outside spigot — E301630

Flow rate = pH = 9.66 / 9.79

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0110	0.0065	0.051	0.051	**0.0470**	**0.0330**	0.0051	**0.0036**	0.0180
2	#02, 1/2 Liter	0.0083	0.0039	0.051	0.051	**0.0690**	**0.0290**	0.0051	**0.0034**	0.0067
3	#03, 1 Liter	0.0038	0.0023	0.051	0.051	0.0460	0.0280	0.0051	0.0027	**0.0270**
4	#04, 1 Liter	**0.0220**	**0.0150**	0.051	0.051	0.0059	0.0046	0.0051	0.0022	**0.0190**
5	#05, 1 Liter	**0.0150**	**0.0093**	0.051	0.051	0.0021	0.0019	0.0051	0.0020	0.0051
6	#06, 3 min 1 Liter	0.0019	0.0010	0.051	0.051	0.0059	0.0043	0.0051	0.0020	0.0051

Date: 1/9/13; outside spigot — E301689

Flow rate = 2.20 gpm pH = 9.44 / 9.57

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0150**	0.0061	0.051	0.051	**0.1000**	**0.0300**	0.0051	0.0020	**0.0150**
2	#02, 1/2 Liter	0.0067	0.0017	0.051	0.051	**0.0460**	**0.0240**	0.0051	0.0020	0.0051
3	#03, 1 Liter	**0.0150**	**0.0088**	0.051	0.051	0.0140	0.0099	0.0051	0.0020	**0.0730**
4	#04, 1 Liter	**0.0330**	**0.0190**	0.051	0.051	0.0021	0.0016	0.0051	0.0020	0.0058
5	#05, 1 Liter	0.0047	0.0010	0.051	0.051	0.0014	0.0012	0.0051	**0.0041**	0.0051
6	#06, 3 min 1 Liter	0.0017	0.0010	0.051	0.051	0.0031	0.0019	0.0051	**0.0042**	0.0062

Date: 1/23/13; inside faucet — E301G27

Flow rate = 0.99 gpm — pH = 9.43 / 9.40

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0028	0.0010	0.051	0.051	0.0099	0.0091	0.0051	0.0020	**0.0540**
2	#02, 1 Liter	0.0026	0.0012	0.051	0.051	0.0130	0.0094	0.0051	0.0020	**0.0560**
3	#03, 1 Liter	0.0029	0.0017	0.051	0.051	**0.0200**	**0.0160**	0.0051	0.0020	0.0160
4	#04, 1 Liter	0.0084	0.0026	0.051	0.051	**0.0150**	**0.0100**	0.0051	0.0020	0.0480
5	#05, 1 Liter	**0.0280**	**0.0170**	0.051	0.051	0.0034	0.0028	0.0051	0.0020	0.0160
6	#06, 1 Liter	**0.0096**	**0.0028**	**0.055**	0.051	0.0018	0.0015	0.0051	**0.0026**	0.0051
7	#07, 3 min 1 Liter	0.0010	0.0010	**0.064**	0.051	0.0010	0.0010	0.0051	**0.0029**	0.0051

Date: 1/25/13; outside spigot — E301G94

Flow rate = 3.31 gpm — pH = 9.37 / 9.63

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0360**	**0.0100**	**0.120**	0.051	**0.0230**	**0.0110**	0.0051	0.0023	**0.0910**
2	#02, 1 Liter	**0.0220**	**0.0074**	**0.094**	0.051	**0.0046**	0.0024	0.0051	0.0030	0.0051
3	#03, 1 Liter	0.0013	0.0010	0.065	0.051	0.0027	**0.0025**	0.0051	**0.0032**	0.0051
4	#04, 1 Liter	0.0011	0.0010	0.064	0.051	0.0020	0.0012	0.0051	**0.0031**	0.0051
5	#05, 3 min 1 Liter	0.0010	0.0010	0.058	0.051	0.0010	0.0010	0.0051	**0.0031**	0.0051

Date: 1/30/13; outside spigot — E301J95

Flow rate = 2.95 gpm — pH = 9.25 / 9.61

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0150**	0.0023	**0.0520**	0.0510	**0.0940**	**0.0300**	0.0051	0.0020	0.0092
2	#02, 1 Liter	0.0120	**0.0059**	0.0510	0.0510	**0.0460**	**0.0200**	0.0051	0.0020	**0.0780**
3	#03, 1 Liter	**0.0300**	**0.0160**	0.0510	0.0510	0.0033	0.0028	0.0051	0.0020	**0.0160**
4	#04, 1 Liter	0.0057	0.0010	0.0510	0.0510	0.0022	0.0027	0.0051	0.0020	0.0110
5	#05, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0014	0.0051	0.0020	0.0130

Date: 2/13/13; inside spigot — E302845

Flow rate = 1.00 gpm — pH = 9.49 / 9.48

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0021	0.001	0.051	0.051	**0.011**	**0.0072**	0.0051	0.002	**0.055**
2	#02, 1 Liter	**0.02**	**0.0087**	0.051	0.051	0.0072	0.004	0.0051	0.002	0.046
3	#03, 3 min 1 Liter	0.001	0.001	0.051	0.051	0.002	0.0012	0.0051	0.002	0.011

Date: 2/15/13; outside spigot — E302A02

Flow rate = 2.51 gpm — pH = 9.56 / 9.70 — temp =18.0 / 14.5

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.016	0.0021	0.051	0.051	**0.75**	**0.038**	0.0051	0.002	0.01
2	#02, 1 Liter	**0.024**	**0.014**	0.051	0.051	0.0093	0.0059	0.0051	0.002	**0.041**
3	#03, 3 min 1 Liter	0.001	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.0091

Date: 2/22/13; outside spigot — E302F63

Flow rate = 3.06 gpm — pH = 9.59 / 9.86 — temp = 15.4 / 10.1

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0100	0.0030	0.0510	0.0510	**0.1300**	**0.0520**	0.0051	0.0020	0.0088
2	#02, 1 Liter	**0.0240**	**0.0140**	0.0510	0.0510	0.0069	0.0038	0.0051	**0.0046**	**0.0590**
3	#03, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0011	0.0051	0.0020	0.0092

Date: 2/27/13; outside spigot — E302I27

ATP = 95 ME/mL — Flow rate = 3.01 gpm — pH = 9.67 / 9.87 — temp = 16.6 / 10.3

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1		0.0036	0.0010	0.0510	0.0510	**0.0830**	**0.0260**	0.0051	0.0020	0.0063
2		**0.0240**	**0.0130**	0.0510	0.0510	0.0030	0.0020	0.0051	0.0020	**0.0140**
3		0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	**0.0030**	0.0097

ATTACHMENT NO. 2

Date: 3/1/13; inside spigot — E303080

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0016	0.0010	0.0510	**0.0081**	**0.0059**	0.0510	0.0051	0.0020	**0.0640**
2	**0.0190**	**0.0130**	0.0510	0.0079	0.0040	0.0510	0.0051	0.0020	0.0510
3	0.0010	0.0010	0.0510	0.0023	0.0011	0.0510	0.0051	0.0020	0.0099

Date: 3/6/13; outside spigot — E303459

ATP = 345 ME/mL Flow rate = 3.73 gpm pH = 9.72 / 9.87 temp = 16.3 / 10.9

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0170	0.0013	**0.0680**	0.0510	**0.0960**	**0.0240**	0.0051	0.0020	0.0110
2	**0.0240**	**0.0140**	0.0510	0.0510	0.0058	0.0045	0.0051	0.0020	**0.0160**
3	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0100

Date: 3/8/13; inside spigot — E303639

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0016	0.0010	0.0510	0.0510	**0.0073**	**0.0056**	0.0051	0.0020	**0.0610**
2	**0.0180**	**0.0120**	0.0510	0.0510	0.0041	0.0030	0.0051	0.0020	0.0480
3	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0100

Date: 4/8/13; outside spigot — E304642

ATP = 1904 ME/mL Flow rate = 2.91 gpm pH = 10.02 / 10.16 temp = 13.8 / 12.2

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0200	0.0047	0.0510	0.0510	**2.9000**	**0.3800**		0.0020	0.0200
2	**0.0270**	**0.0180**	0.0510	0.0510	0.0250	0.0120		0.0020	**0.0330**
3	0.0011	0.0010	0.0510	0.0510	0.0014	0.0011		0.0020	0.0091

Date: 4/12/13; inside spigot

E304A65

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	**0.0029**	**0.0014**	0.0510	0.0510	0.0072	0.0058		0.0020	**0.0370**
2	0.0025	0.0010	0.0510	0.0510	**0.0190**	**0.0060**		0.0020	0.0180
3	0.0016	0.0010	0.0510	0.0510	0.0010	0.0010		0.0020	0.0110

ATTACHMENT NO. 2

Loc #6, 104 Shaw Ave

Date: 1/11/13; inside faucet

E301808

Flow rate = 1.30 gpm pH = 9.43 / 9.60

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0780**	0.0042	0.16	0.051	**0.3200**	0.0160	0.0051	0.0025	**3.3000**
2	#02, 1/2 Liter	0.0085	0.0010	0.12	0.051	**0.0570**	0.0190	0.0051	0.0020	**0.0900**
3	#03, 1 Liter	0.0086	0.0021	0.11	0.051	0.0550	**0.0250**	0.0051	0.0020	0.0350
4	#04, 1 Liter	0.0092	0.0023	0.11	0.051	0.0460	**0.0220**	0.0051	0.0020	0.0160
5	#05, 1 Liter	0.0250	0.0055	0.10	0.051	0.0290	0.0130	0.0051	0.0020	0.0150
6	#06, 1 Liter	0.0360	0.0043	0.11	0.051	0.0140	0.0062	0.0051	0.0020	0.0140
7	#07, 1 Liter	0.0510	0.0087	0.11	0.051	0.0064	0.0029	0.0051	0.0020	0.0340
8	#08, 1 Liter	**0.0580**	**0.0090**	0.12	0.051	0.0032	0.0017	0.0051	0.0020	0.0210
9	#09, 1 Liter	**0.0580**	**0.0088**	0.14	0.051	0.0034	0.0018	0.0051	0.0020	0.0280
10	#10, 1 Liter	0.0500	0.0065	0.20	0.051	0.0026	0.0014	0.0051	0.0020	0.0060
11	#11, 1 Liter	0.0310	0.0035	0.24	0.051	0.0024	0.0022	0.0051	0.0031	0.0220
12	#12, 1 Liter	0.0100	0.0011	**0.29**	0.051	0.0021	0.0014	0.0051	**0.0042**	0.0210
13	#13, 3 min 1 Liter	0.0026	0.0010	**0.30**	**0.058**	0.0015	0.0010	0.0051	**0.0044**	0.0240

ATTACHMENT NO. 2

Date: 1/17/13; outside spigot — E301C78

Flow rate = 1.80 gpm — pH = 9.61 / 9.78

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#02, 1/2 Liter	0.0078	0.0014	**0.36**	0.051	**0.1000**	**0.0300**	0.0051	**0.0033**	0.0068
2	#03, 1 Liter	0.0072	0.0032	0.18	**0.062**	**0.0580**	**0.0350**	0.0051	0.0021	0.0051
3	#04, 1 Liter	0.0072	0.0029	0.13	0.051	0.0430	0.0250	0.0051	0.0020	0.0051
4	#05, 1 Liter	0.0082	0.0037	0.13	**0.051**	0.0470	0.0290	0.0051	0.0020	0.0051
5	#06, 1 Liter	0.0120	0.0014	0.12	0.051	0.0230	0.0100	0.0051	0.0020	**0.0210**
6	#07, 1 Liter	0.0450	0.0077	0.11	0.051	0.0071	0.0036	0.0051	0.0020	0.0051
7	#08, 1 Liter	0.0550	0.0140	0.12	0.051	0.0036	0.0022	0.0051	0.0020	0.0051
8	#09, 1 Liter	**0.0600**	**0.0190**	0.12	0.051	0.0031	0.0020	0.0051	0.0020	0.0200
9	#10, 1 Liter	**0.0570**	**0.0200**	0.12	0.051	0.0028	0.0019	0.0051	0.0020	**0.0240**
10	#11, 1 Liter	0.0240	0.0070	0.21	0.057	0.0025	0.0014	0.0051	0.0030	0.0051
11	#12, 3 min 1 Liter	0.0024	0.0010	**0.25**	0.051	0.0013	0.0010	0.0051	**0.0041**	0.0051

Date: 1/22/13; outside spigot — E301F56

Flow rate = 1.15 gpm — pH = 9.55 / 9.74

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01 1/2 Liter	**0.1400**	0.0024	**1.40**	**0.078**	**0.1400**	**0.0310**	**0.015**	**0.0065**	**0.0470**
2	#02 1 Liter	0.0100	0.0031	**0.32**	0.062	**0.0610**	**0.0260**	0.0051	0.0025	0.0220
3	#03 1 Liter	0.0059	0.0011	**0.32**	0.058	0.0220	0.0077	0.0051	0.0034	**0.0260**
4	#04 1 Liter	0.0046	0.0026	0.31	**0.074**	0.0150	0.0066	0.0051	**0.0037**	0.0200
5	#05 1 Liter	0.0049	0.0010	0.30	0.051	0.0110	0.0037	0.0051	0.0033	0.0051
6	#06 1 Liter	0.0130	0.0027	0.30	0.056	0.0058	0.0025	0.0051	0.0035	0.0240
7	#07 1 Liter	0.0240	**0.0070**	0.30	0.082	0.0036	0.0023	0.0051	0.0034	0.0200
8	#08 1 Liter	**0.0260**	0.0049	0.29	0.051	0.0025	0.0017	0.0051	0.0035	0.0150
9	#09 1 Liter	**0.0260**	**0.0066**	0.29	0.068	0.0025	0.0020	0.0051	0.0034	0.0180
10	#10 1 Liter	0.0210	0.0048	0.27	0.057	0.0022	0.0017	0.0051	0.0034	0.0051
11	#11 3 min 1 Liter	0.0025	0.0010	0.24	0.072	0.0014	0.0010	0.0051	0.0033	0.0051

ATTACHMENT NO. 2

Date: 1/24/13; outside spigot — E301G91

Flow rate = 1.12 gpm — pH = 9.68 / 9.86

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01 1/2 Liter	**0.0900**	0.0010	**3.20**	0.051	**0.1900**	0.0087	0.005	**0.0220**	**0.0680**
2	#02 1 Liter	0.0160	0.0031	**0.47**	**0.086**	**0.0710**	0.0310	0.0051	**0.0045**	**0.0250**
3	#03 1 Liter	0.0110	0.0039	0.18	0.063	0.0570	**0.0290**	0.0051	0.0022	0.0120
4	#04 1 Liter	0.0110	0.0056	0.17	**0.074**	0.0560	**0.0360**	0.0051	0.0020	0.0091
5	#05 1 Liter	0.0140	0.0061	0.15	0.058	0.0400	0.0250	0.0051	0.0020	0.0053
6	#06 1 Liter	0.0420	0.0080	0.14	0.051	0.0160	0.0095	0.0051	0.0020	0.0051
7	#07 1 Liter	0.0810	0.0160	0.14	0.051	0.0060	0.0041	0.0051	0.0020	0.0051
8	#08 1 Liter	**0.0900**	**0.0210**	0.14	0.051	0.0035	0.0025	0.0051	0.0020	0.0051
9	#09 1 Liter	**0.0940**	0.0140	0.14	0.051	0.0033	0.0019	0.0051	0.0020	0.0051
10	#10 1 Liter	0.0740	**0.0260**	0.16	0.051	0.0049	0.0031	0.0051	0.0020	0.0051
11	#11 3 min 1 Liter	0.0026	0.0010	0.24	0.051	0.0013	0.0011	0.0051	0.0030	0.0051

Date: 1/29/13; outside spigot — E301I73

Flow rate = 1.35 gpm — pH = 9.62 / 9.85

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01 1/2 Liter	0.0620	0.0010	**1.60**	0.051	**0.1400**	0.0110	0.005	**0.0081**	**0.0260**
2	#02 1 Liter	0.0450	0.0044	**0.55**	**0.064**	**0.1000**	**0.0300**	0.0051	**0.0043**	**0.0260**
3	#03 1 Liter	0.0170	0.0047	0.24	**0.066**	0.0610	**0.0370**	0.0051	0.0022	0.0140
4	#04 1 Liter	0.0240	0.0043	0.20	0.053	0.0620	0.0270	0.0051	0.0021	0.0160
5	#05 1 Liter	0.0220	0.0049	0.16	0.051	0.0420	0.0160	0.0051	0.0020	0.0130
6	#06 1 Liter	0.0510	0.0100	0.15	0.051	0.0150	0.0056	0.0051	0.0021	0.0120
7	#07 1 Liter	0.0770	0.0150	0.12	0.051	0.0049	0.0021	0.0051	0.0020	0.0150
8	#08 1 Liter	**0.0850**	**0.0180**	0.13	0.051	0.0033	0.0020	0.0051	0.0020	0.0095
9	#09 1 Liter	**0.0860**	**0.0160**	0.13	0.051	0.0033	0.0019	0.0051	0.0020	0.0090
10	#10 1 Liter	0.0590	0.0120	0.18	0.051	0.0028	0.0015	0.0051	0.0026	0.0100
11	#11 3 min 1 Liter	0.0025	0.0010	0.29	0.056	0.0013	0.0010	0.0051	0.0046	0.0085

Date: 2/14/13; inside faucet — E302954

Flow rate = 1.24 gpm — pH = 9.60 / 9.70

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0089	0.001	0.12	0.051	**0.059**	**0.017**	0.0051	0.002	0.0051
2	#02, 1 Liter	**0.045**	**0.0043**	0.11	0.051	0.003	0.0029	0.0051	0.002	**0.01**
3	#03, 3 min 1 Liter	0.0023	0.001	**0.23**	**0.053**	0.0015	0.001	0.0051	**0.0039**	0.0091

Date: 2/15/13; outside spigot — E302999

Flow rate = 1.15 gpm — pH = 9.60 / 9.72 — temp = 15.5 / 12.6

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0180	0.0012	**1.5000**	0.0510	**0.1200**	**0.0220**	0.0050	**0.0056**	**0.0150**
2	#02, 1 Liter	**0.0560**	**0.0110**	0.1200	0.0510	0.0053	0.0030	0.0051	0.0020	0.0120
3	#03, 3 min 1 Liter	0.0021	0.0010	0.2700	0.0510	0.0013	0.0012	0.0051	0.0033	0.0087

Date: 2/19/13; outside spigot — E302C08

Flow rate = 1.08 gpm — pH = 9.67 / 9.78 — temp = 15.4 / 12.6

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.015	0.0028	**0.71**	**0.057**	**0.13**	**0.032**	0.005	**0.0031**	0.0062
2	#02, 1 Liter	**0.039**	**0.01**	0.091	0.051	0.0046	0.0025	0.0051	0.002	**0.0091**
3	#03, 3 min 1 Liter	0.003	0.001	0.24	0.056	0.002	0.001	0.0051	**0.0031**	0.0085

Date: 2/22/13; inside faucet — E302F61

Flow rate = 1.24 gpm — pH = 9.60 / 9.70

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1 #01, 1/2 Liter	0.0100	**0.0038**	0.0930	0.0510	**0.0470**	**0.0260**	0.0051	0.0020	0.0051
2 #02, 1 Liter	**0.0280**	0.0035	0.1600	0.0510	0.0026	0.0012	0.0051	0.0024	**0.0110**
3 #03, 3 min 1 Liter	0.0021	0.0010	**0.2400**	**0.0580**	0.0014	0.0010	0.0051	**0.0036**	0.0100

Date: 2/25/13; outside spigot — E302G21

Flow rate = 1.03 gpm — pH = 9.79 / 9.95 — temp = 15.2 / 12.2

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0081	0.0010	**0.7000**	0.0510	**0.1100**	**0.0170**	0.0050	**0.0028**	0.0070
2	**0.0240**	**0.0022**	0.1200	0.0510	0.0044	0.0028	0.0051	0.0020	**0.0095**
3	0.0019	0.0019	0.1500	**0.0580**	0.0013	0.0015	0.0051	0.0025	0.0092

Date: 2/28/13; inside faucet — E303078

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0160	0.0026	**0.0970**	0.0510	**0.0380**	**0.0150**	0.0051	0.0020	0.0051
2	**0.0340**	**0.0110**	0.0910	0.0510	0.0030	0.0020	0.0051	0.0020	**0.0110**
3	0.0022	0.0010	0.1400	0.0510	0.0014	0.0010	0.0051	**0.0021**	0.0100

Date: 3/4/13; inside faucet — E303184

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0066	0.0030	0.0840	0.0510	**0.0440**	**0.0270**	0.0051	0.0020	0.0066
2	**0.0480**	**0.0190**	0.0780	0.0510	0.0032	0.0023	0.0051	0.0020	**0.0120**
3	0.0023	0.0010	**0.2300**	0.0510	0.0015	0.0010	0.0051	**0.0033**	0.0100

Date: 3/6/13; outside spigot — E303460

ATP = 437 ME/mL | Flow rate = 1.31 gpm | pH = 9.83 / 9.96 | temp = 14.8 / 11.3

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0079	0.0010	**1.3000**	0.0510	**0.1400**	**0.0180**	0.0050	**0.0043**	**0.0240**
2	**0.0140**	**0.0029**	0.1600	0.0510	0.0028	0.0019	0.0051	0.0025	0.0110
3	0.0020	0.0010	0.2200	0.0510	0.0012	0.0010	0.0051	0.0033	0.0097

Date: 4/4/13; inside faucet — E304399

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0071	0.0010	0.1100	0.0510	**0.0280**	**0.0140**		0.0020	0.0051
2	**0.0370**	**0.0045**	0.1400	0.0510	0.0020	0.0012		0.0020	**0.0100**
3	0.0035	0.0010	**0.2000**	0.0510	0.0011	0.0010		0.0020	**0.0100**

Date: 4/10/13; outside spigot — E304901

ATP = 1453 ME/mL | Flow rate = 1.66 gpm | pH = 9.97 / 10.15 | temp = 16.3 / 11.6

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0140	**0.0038**	**1.1000**	**0.1500**	**0.2800**	**0.0590**		**0.1200**	0.0062
2	**0.0170**	0.0034	0.1400	0.0510	0.0026	0.0016		0.0020	0.0095
3	0.0034	0.0010	0.1800	0.0510	0.0015	0.0011		0.0020	**0.0130**

ATTACHMENT NO. 2

Loc #7, 183 Laurel Hill Ave

Date: 1/15/13: inside faucet — E301A41

Flow rate = 1.24 gpm — pH = 9.29 / 9.33

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
2	#02, 1/2 Liter	0.0068	0.0010	**0.097**	0.051	**0.0400**	**0.0160**	0.0051	**0.0030**	0.0085
3	#03, 1 Liter	0.0042	0.0010	**0.095**	0.051	0.0280	0.0150	0.0051	**0.0028**	0.0200
4	#04, 1 Liter	0.0044	0.0011	0.092	0.051	**0.0310**	**0.0160**	0.0051	**0.0028**	0.0210
5	#05, 1 Liter	0.0054	0.0013	0.090	0.051	0.0300	0.0140	0.0051	0.0027	0.0220
6	#06, 1 Liter	0.0078	0.0019	**0.095**	0.051	0.0190	0.0098	0.0051	0.0027	**0.0370**
7	#07, 1 Liter	**0.0370**	0.0044	0.092	0.051	0.0060	0.0035	0.0051	0.0023	**0.0300**
8	#08, 1 Liter	**0.0480**	**0.0097**	0.090	0.051	0.0028	0.0019	0.0051	0.0024	0.0180
9	#09, 1 Liter	0.0200	**0.0064**	0.058	0.051	0.0021	0.0020	0.0051	0.0020	0.0180
10	#10, 3 min 1 Liter	0.0013	0.0010	0.051	0.051	0.0013	0.0021	0.0051	0.0020	0.0180

Date: 1/18/13; outside spigot — E301D06

Flow rate = 1.49 gpm — pH = 9.59 / 9.72

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0030	0.0010	0.051	0.051	**0.0300**	**0.0200**	0.0051	0.0020	0.0069
2	#02, 1 Liter	0.0034	0.0030	0.051	0.051	**0.0310**	**0.0220**	0.0051	0.0020	0.0051
3	#03, 1 Liter	0.0051	0.0029	0.051	0.051	**0.0300**	0.0180	0.0051	0.0020	**0.0340**
4	#04, 1 Liter	0.0096	0.0052	0.051	0.051	0.0200	0.0120	0.0051	0.0020	**0.0420**
5	#05, 1 Liter	**0.0280**	**0.0160**	0.051	0.051	0.0044	0.0040	0.0051	0.0020	0.0290
6	#06, 1 Liter	**0.0330**	**0.0150**	0.051	0.051	0.0020	0.0019	0.0051	0.0020	0.0220
7	#07, 1 Liter	0.0100	0.0037	0.051	0.051	0.0015	0.0014	0.0051	0.0020	0.0170
8	#08, 3 min 1 Liter	0.0012	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.0020	0.0190

Date: 1/24/13; outside spigot — E301G89

Flow rate = 1.56 gpm — pH = 9.61 / 9.70

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0120	0.0033	0.051	0.051	**0.0360**	**0.0180**	0.0051	0.0020	**0.0460**
2	#02, 1 Liter	0.0054	0.0030	0.051	0.051	**0.0230**	**0.0180**	0.0051	0.0020	**0.0210**
3	#03, 1 Liter	0.0110	0.0067	0.051	0.051	0.0110	0.0085	0.0051	0.0020	0.0150
4	#04, 1 Liter	**0.0200**	**0.0130**	0.051	0.051	0.0040	0.0034	0.0051	0.0020	0.0051
5	#05, 1 Liter	**0.0150**	**0.0079**	0.051	0.051	0.0019	0.0019	0.0051	0.0020	0.0051
6	#06, 1 Liter	0.0056	0.0014	0.051	0.051	0.0012	0.0014	0.0051	0.0020	0.0051
7	#07, 1 Liter	0.0024	0.0010	0.051	0.051	0.0016	0.0015	0.0051	0.0020	0.0051
8	#08, 3 min 1 Liter	0.0011	0.0010	0.051	0.051	0.0010	0.0014	0.0051	0.0020	0.0051

Date: 1/25/13; outside spigot — E301H00

Flow rate = 2.82 gpm — pH = 9.78 / 9.97

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0068	0.0013	0.055	0.051	**0.0550**	**0.0260**	0.0051	0.0020	**0.0420**
2	#02, 1 Liter	0.0057	0.0025	0.051	0.051	**0.0320**	**0.0230**	0.0051	0.0020	0.0160
3	#03, 1 Liter	0.0190	**0.0088**	0.051	0.051	0.0190	0.0120	0.0051	0.0020	**0.0200**
4	#04, 1 Liter	**0.0370**	**0.0160**	0.051	0.051	0.0050	0.0037	0.0051	0.0020	0.0120
5	#05, 1 Liter	**0.0280**	0.0079	0.051	0.051	0.0019	0.0017	0.0051	0.0020	0.0051
6	#06, 1 Liter	0.0100	0.0023	0.051	0.051	0.0014	0.0012	0.0051	0.0020	0.0051
7	#07, 1 Liter	0.0018	0.0010	0.051	0.051	0.0012	0.0010	0.0051	0.0020	0.0051
8	#08, 3 min 1 Liter	0.0011	0.0010	0.051	0.051	0.0010	0.0011	0.0051	0.0020	0.0051

Date: 1/30/13; outside spigot — E301J96

Flow rate = 2.38 gpm — pH = 9.58 / 9.68

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0031	0.0010	0.051	0.051	**0.0370**	**0.0220**	0.0051	0.0020	0.0092
2	#02, 1 Liter	0.0035	0.0015	0.051	0.051	**0.0380**	**0.0200**	0.0051	0.0020	0.0140
3	#03, 1 Liter	0.0043	0.0017	0.051	0.051	0.0320	0.0180	0.0051	0.0020	0.0140
4	#04, 1 Liter	0.0070	0.0030	0.051	0.051	0.0200	0.0120	0.0051	0.0020	**0.0450**
5	#05, 1 Liter	**0.0300**	**0.0130**	0.051	0.051	0.0035	0.0026	0.0051	0.0020	**0.0190**
6	#06, 1 Liter	**0.0330**	**0.0130**	0.051	0.051	0.0020	0.0031	0.0051	0.0020	0.0110
7	#07, 1 Liter	0.0057	0.0013	0.051	0.051	0.0013	0.0014	0.0051	0.0020	0.0110
8	#08, 3 min 1 Liter	0.0010	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.0020	0.0099

Date: 2/11/13; inside faucet — E302596

Flow rate = 1.22 gpm — pH = 9.43 / 9.51

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0095	0.0043	0.051	0.051	**0.03**	**0.02**	0.0051	0.002	0.007
2	#02, 1 Liter	**0.03**	**0.014**	0.051	0.051	0.0043	0.0031	0.0051	0.002	**0.018**
3	#03, 3 min 1 Liter	0.0011	0.001	0.051	0.051	0.0012	0.0011	0.0051	0.002	0.0089

Date: 2/12/13; outside spigot — E302693

Flow rate = 2.26 gpm — pH = 9.54 / 9.60 — temp = 13.7 / 11.5

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0032	0.001	0.051	0.051	**0.05**	**0.025**	0.0051	0.002	0.012
2	#02, 1 Liter	**0.027**	**0.01**	0.051	0.051	0.0039	0.0032	0.0051	0.002	**0.016**
3	#03, 3 min 1 Liter	0.001	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.0094

Date: 2/18/13; inside faucet — E302A73

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0036	0.0020	0.0510	0.0510	**0.0380**	**0.0260**	0.0051	0.0020	0.0053
2	#02, 1 Liter	**0.0320**	**0.0130**	0.0510	0.0510	0.0047	0.0039	0.0051	0.0020	**0.0220**
3	#03, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0012	0.0010	0.0051	0.0020	0.0093

Date: 2/20/13; outside spigot — E302D42

Flow rate = 2.26 gpm — pH = 9.69 / 9.81 — temp = 11.8 / 9.0

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0041	0.0010	0.0510	0.0510	**0.0350**	**0.0190**	0.0051	0.0020	0.0110
2	#02, 1 Liter	**0.0230**	**0.0098**	0.0510	0.0510	0.0024	0.0018	0.0051	0.0020	**0.0190**
3	#03, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	**0.0022**	0.0110

Date: 2/25/13; inside faucet — E302G20

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1		0.0032	0.0018	0.0510	**0.0430**	**0.0340**	0.0510	0.0051	0.0020	0.0063
2		**0.0160**	**0.0097**	0.0510	0.0093	0.0080	0.0510	0.0051	0.0020	**0.0250**
3		0.0010	0.0010	0.0510	0.0011	0.0010	**0.0540**	0.0051	**0.0022**	0.0100

Date: 2/26/13; outside spigot — E302H05

Flow rate = 2.26 gpm — pH = 9.81 / 9.90 — temp = 11.5 / 7.6

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1		0.0026	0.0010	0.0510	0.0510	**0.0360**	**0.0200**	0.0051	0.0020	**0.0200**
2		**0.0260**	**0.0110**	0.0510	0.0510	0.0035	0.0026	0.0051	0.0020	0.0099
3		0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0093

Date: 3/4/13; inside faucet — E303186

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0040	0.0018	0.0510	0.0510	**0.0320**	**0.0190**	0.0051	0.0020	0.0076
2	**0.0200**	**0.0089**	0.0510	0.0510	0.0048	0.0034	0.0051	0.0020	**0.0180**
3	0.0011	0.0010	0.0510	0.0510	0.0012	0.0010	0.0051	0.0020	0.0099

Date: 3/5/13; outside spigot — E303292

ATP = 475 ME/mL Flow rate = 2.54 gpm pH = 9.96 / 10.03 temp = 10.3 / 8.7

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0036	0.0016	0.0510	0.0510	**0.0510**	**0.0300**	0.0051	0.0020	**0.0190**
2	**0.0180**	**0.0110**	0.0510	0.0510	0.0055	0.0048	0.0051	0.0020	0.0170
3	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0096

Date: 4/1/13; inside faucet — E304163

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0085	0.0023	0.0510	0.0510	**0.0160**	**0.0130**		0.0020	0.0060
2	**0.0210**	**0.0130**	0.0510	0.0510	0.0028	0.0022		0.0020	**0.0170**
3	0.0013	0.0010	0.0510	0.0510	0.0010	0.0010		0.0020	0.0120

Date: 4/8/13; outside spigot — E304641

1042 = 475 ME/mL Flow rate = 2.10 gpm pH =10.22 / 10.22 temp = 13.2 / 12.0

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0032	0.0014	0.0510	0.0510	**0.0054**	**0.0042**		0.0020	**0.0460**
2	**0.0071**	**0.0045**	0.0510	0.0510	0.0015	0.0015		0.0020	0.0120
3	0.0013	0.0010	0.0510	0.0510	0.0010	0.0010		0.0020	0.0097

Loc #8, 70 Sandringham Ave

Date: 1/10/13; inside faucet — E301688

Flow rate = 1.49 gpm — pH = 9.33 / 9.53

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0110	0.0011	**0.230**	0.051	**0.0780**	**0.0140**	0.0051	**0.0089**	**0.0730**
2	#02, 1/2 Liter	0.0073	0.0010	**0.160**	0.051	0.0095	0.0045	0.0051	0.0056	0.0710
3	#03, 1 Liter	0.0086	0.0014	0.140	0.051	**0.0130**	**0.0063**	0.0051	0.0050	**0.1000**
4	#04, 1 Liter	0.0100	0.0014	0.150	0.051	0.0098	0.0047	0.0051	**0.0058**	0.0660
5	#05, 1 Liter	0.0310	0.0060	0.120	0.051	0.0041	0.0025	0.0051	0.0041	0.0150
6	#06, 1 Liter	**0.0600**	**0.0077**	0.140	0.051	0.0015	0.0010	0.0051	0.0045	0.0055
7	#07, 1 Liter	**0.0480**	**0.0073**	0.150	0.051	0.0028	0.0029	0.0051	0.0050	0.0051
8	#08, 1 Liter	0.0260	0.0030	0.170	0.051	0.0020	0.0011	0.0051	0.0057	0.0059
9	#09, 3 min 1 Liter	0.0082	0.0010	0.083	0.051	0.0450	0.0019	0.0051	0.0028	0.0580

Date: 1/11/13; outside spigot — E301807

Flow rate = 1.74 gpm — pH = 9.62 / 9.73

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	**0.0430**	0.0059	**0.150**	0.051	**0.1500**	**0.0390**	**0.0052**	**0.0043**	**0.7800**
2	#02, 1/2 Liter	0.0099	0.0026	0.051	0.051	**0.0120**	**0.0074**	0.0051	0.0020	**0.0390**
3	#03, 1 Liter	0.0390	**0.0170**	0.051	0.051	0.0038	0.0024	0.0051	0.0020	0.0270
4	#04, 1 Liter	**0.0460**	**0.0230**	0.051	0.051	0.0020	0.0016	0.0051	0.0020	0.0190
5	#05, 1 Liter	0.0310	0.0110	0.051	0.051	0.0023	0.0017	0.0051	0.0020	0.0210
6	#06, 1 Liter	0.0093	0.0016	**0.070**	0.051	0.0016	0.0010	0.0051	0.0027	0.0190
7	#07, 3 min 1 Liter	0.0016	0.0010	0.062	0.051	0.0010	0.0010	0.0051	**0.0032**	0.0051

Date: 1/15/13; outside spigot — E301A48

Flow rate = 1.54 gpm — pH = 9.48 / 9.60

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0140	0.0071	**0.056**	0.051	**0.0660**	**0.0420**	0.0051	**0.0026**	**0.0380**
2	#02, 1/2 Liter	0.0083	0.0016	**0.056**	0.051	**0.0120**	**0.0079**	0.0051	**0.0021**	**0.0550**
3	#03, 1 Liter	0.0270	**0.0130**	0.051	0.051	0.0036	0.0033	0.0051	0.0020	0.0210
4	#04, 1 Liter	**0.0420**	**0.0240**	0.051	0.051	0.0012	0.0012	0.0051	0.0020	0.0260
5	#05, 1 Liter	**0.0300**	**0.0130**	0.051	0.051	0.0020	0.0016	0.0051	0.0020	0.0180
6	#06, 1 Liter	0.0120	0.0041	0.051	0.051	0.0012	0.0010	0.0051	0.0020	0.0170
7	#07, 3 min 1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.0020	0.0150

Date: 1/17/13; outside spigot — E301C74

Flow rate = 1.69 gpm — pH = 9.63 / 9.80

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#02, 1/2 Liter	0.0089	0.0012	**0.063**	0.051	**0.0120**	**0.0075**	0.0051	**0.0037**	**0.0470**
2	#03, 1 Liter	0.0270	0.0140	0.051	0.051	**0.0040**	**0.0039**	0.0051	0.0020	**0.0290**
3	#04, 1 Liter	**0.0420**	**0.0250**	0.051	0.051	0.0014	0.0013	0.0051	0.0020	0.0051
4	#05, 1 Liter	**0.0300**	**0.0150**	0.051	0.051	0.0017	0.0015	0.0051	0.0020	0.0051
5	#06, 1 Liter	0.0100	0.0052	0.051	0.051	0.0011	0.0013	0.0051	0.0020	0.0170
6	#07, 3 min1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.0020	0.0160

Date: 1/18/13; outside spigot — E301D08

Flow rate = 1.86 gpm — pH = 9.60 / 9.82

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0088	0.0028	0.051	0.051	**0.0140**	**0.0066**	0.0051	0.0020	**0.0400**
2	#02, 1 Liter	**0.0330**	**0.0200**	0.051	0.051	**0.0036**	**0.0024**	0.0051	0.0020	**0.0280**
3	#03, 1 Liter	**0.0400**	**0.0230**	0.051	0.051	0.0019	0.0015	0.0051	0.0020	0.0051
4	#04, 1 Liter	0.0260	0.0100	0.051	0.051	0.0018	0.0014	0.0051	0.0020	0.0051
5	#05, 1 Liter	0.0067	0.0029	0.051	0.051	0.0012	0.0011	0.0051	0.0020	0.0210
6	#06, 3 min 1 Liter	0.0013	0.0010	0.051	0.051	0.0010	0.0010	0.0051	0.0020	0.0200

ATTACHMENT NO. 2

Date: 2/12/13; inside spigot

E302846

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0072	0.0015	**0.056**	0.051	**0.01**	**0.0059**	0.0051	0.002	**0.075**
2	#02, 1 Liter	**0.047**	**0.016**	0.051	0.051	0.0052	0.0028	0.0051	0.002	0.016
3	#03, 3 min 1 Liter	0.0013	0.001	0.051	0.051	0.0023	0.001	0.0051	0.002	0.011
4	#04, 3 min 1 Liter	0.0011	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.012

Date: 2/13/13; outside spigot

E302846

Flow rate = 2.24 gpm pH = 9.69 / 9.78 temp = 10.3 / 8.7

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.034	0.003	**0.077**	0.051	**0.025**	**0.022**	0.0051	0.002	**0.24**
2	#02, 1 Liter	**0.043**	**0.019**	0.051	0.051	0.002	0.0015	0.0051	0.002	0.014
3	#03, 3 min 1 Liter	0.0011	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.0084
4	#04, 3 min 1 Liter	0.0011	0.001	0.051	0.051	0.001	0.001	0.0051	0.002	0.009

Date: 2/21/13; inside spigot

E302E19

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0044	0.0010	**0.0560**	0.0510	**0.0088**	**0.0052**	0.0051	0.0020	**0.0530**
2	#02, 1 Liter	**0.0310**	**0.0087**	0.0520	0.0510	0.0066	0.0022	0.0051	0.0020	0.0210
3	#03, 3 min 1 Liter	0.0012	0.0010	0.0550	0.0510	0.0010	0.0010	0.0051	0.0028	0.0110
4	#04, 3 min 1 Liter	0.0010	0.0010	0.0520	0.0510	0.0010	0.0010	0.0051	**0.0029**	0.0110

Date: 2/20/13; outside spigot

E302E22

Flow rate = 2.26 gpm pH = 9.79 / 9.86 temp = 9.7 / 7.3

		ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	#01, 1/2 Liter	0.0140	0.0010	**0.0900**	0.0510	**0.0220**	**0.0066**	0.0051	0.0020	**0.0880**
2	#02, 1 Liter	**0.0440**	**0.0130**	0.0510	0.0510	0.0014	0.0013	0.0051	0.0020	0.0110
3	#03, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0110
4	#04, 3 min 1 Liter	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0100

Date: 2/27/13; inside spigot

E302I58

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0048	0.0016	0.0510	0.0510	**0.0100**	**0.0057**	0.0051	0.0020	**0.0800**
2	**0.0320**	**0.0150**	0.0510	0.0510	0.0022	0.0014	0.0051	0.0020	0.0140
3	0.0011	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0140
4	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0099

Date: 2/28/13; outside spigot

E303077

ATP = 96 ME/mL Flow rate = 1.04 gpm pH = 9.71 / 9.85 temp = 15.2 / 9.4

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0065	0.0014	0.0510	0.0510	**0.0110**	**0.0068**	0.0051	0.0020	**0.0440**
2	**0.0350**	**0.0150**	0.0510	0.0510	0.0014	0.0011	0.0051	0.0020	0.0100
3	0.0012	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0093
4	0.0011	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0086

Date: 3/5/13; outside spigot — E303456

ATP = 214 ME/mL | Flow rate = 1.87 gpm | pH = 9.85 / 10.02 | temp = 14.4 / 9.3

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0099	0.0023	**0.0580**	0.0510	**0.0210**	**0.0110**	0.0051	0.0020	0.0970
2	**0.0390**	**0.0180**	0.0510	0.0510	0.0017	0.0012	0.0051	0.0020	**0.1900**
3	0.0011	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0087
4	0.0010	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0090

Date: 3/6/13; inside spigot — E303458

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0029	0.0010	0.0510	0.0510	**0.0073**	**0.0056**	0.0051	0.0020	**0.0520**
2	**0.0230**	**0.0140**	0.0510	0.0510	0.0038	0.0019	0.0051	0.0020	0.0140
3	0.0012	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0096
4	0.0011	0.0010	0.0510	0.0510	0.0010	0.0010	0.0051	0.0020	0.0100

Date: 4/9/13; outside spigot — E304A25

ATP = 4312 ME/mL | Flow rate = 1.71 gpm | pH = 9.45 / 9.54 | temp = 18.6 / 14.1

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0170	0.0026	0.0510	0.0510	**0.0083**	**0.0058**		0.0020	**0.0520**
2	**0.0340**	**0.0220**	0.0510	0.0510	0.0012	0.0011		0.0020	0.0084
3	0.0017	0.0010	0.0510	0.0510	0.0010	0.0010		0.0020	0.0070

Date: 4/12/13; inside spigot — E304A66

	ppm Lead	ppm Diss Lead	ppm Iron	ppm Diss Iron	ppm Copper	ppm Diss Copper	ppm Tin	ppm Manganese	ppm Zinc
1	0.0016	0.0012	0.0510	0.0510	**0.0061**	**0.0050**		0.0020	**0.0380**
2	**0.0260**	**0.0190**	0.0510	0.0510	0.0028	0.0024		0.0020	0.0320
3	0.0014	0.0010	**0.0550**	0.0510	0.0015	0.0010		0.0020	0.0110

ATTACHMENT NO. 2