



LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: David Robertin
Dobbs Ferry Union Free School District
505 Broadway
Dobbs Ferry, NY 10522

SITE INVESTIGATED: Dobbs Ferry High/Middle School
505 Broadway
Dobbs Ferry, NY 10522

ASSESSMENT BY: Michael Levay
Omega Environmental Services, Inc.
280 Huyler Street
South Hackensack, NJ 07606

**INVESTIGATION
CONDUCTED:** 6/21/2016

DATE OF REPORT: 7/21/2016

(Omega Project # 16-1199A)

TABLE OF CONTENTS

EXECUTIVE SUMMARY/PROJECT OVERVIEW

- 1. RESULTS TABLE**
- 2. SAMPLING METHODOLOGY**
- 3. DISCUSSION OF RESULTS**
- 4. RECOMMENDATIONS**

Appendices:

A. Laboratory Analytical Reports

EXECUTIVE SUMMARY:

Dobbs Ferry Union Free School District requested lead in water testing of potable water outlets at the Dobbs Ferry High/Middle School, 505 Broadway, Dobbs Ferry, NY 10522.

Previous Testing

No information related to previous testing was available.

Recent Testing (6/21/16)

In order to assess the building water outlets a full testing of all potable outlets was performed on June 21, 2016.

Reportedly the outlets were not flushed or used on the day of testing.

First draw and flush samples (30 second) were collected of 48 water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Two first draw samples were above 15 ppb. The associated flush samples were above 15 ppb.

See Section 3 Discussion of Results

1 RESULTS TABLE:

Sample #	Location	1st draw (FD) or flush (FL)	Results (ppb)	LCR Action Level ⁽¹⁾ (ppb)
01	Kitchen Faucet Center	FD	1.61	15
02	Kitchen Faucet Center	FL	--	15
03	Kitchen Faucet Wash Sink	FD	ND	15
04	Kitchen Faucet Wash Sink	FL	--	15
05	Kitchen Faucet Pot Filler	FD	10.4	15
06	Kitchen Faucet Pot Filler	FL	--	15
07	Kitchen Faucet Serving Area	FD	3.44	15
08	Kitchen Faucet Serving Area	FL	--	15
09	Water Fountain @ High School Gym	FD	ND	15
10	Water Fountain @ High School Gym	FL	--	15
11	Water Fountain High School Girl's Locker	FD	ND	15
12	Water Fountain High School Girl's Locker	FL	--	15
13	High School Trainer's Office	FD	ND	15
14	High School Trainer's Office	FL	--	15
15	Water Fountain @ High School Trainer's Office	FD	ND	15
16	Water Fountain @ High School Trainer's Office	FL	--	15
17	Water Fountain @ Café Rear	FD	ND	15
18	Water Fountain @ Café Rear	FL	--	15
19	Water Fountain @ Café Front	FD	ND	15

20	Water Fountain @ Café Front	FL	--	15
21	Water Fountain @ HS 118	FD	3.55	15
22	Water Fountain @ HS 118	FL	--	15
23	Water Fountain @ HS 113	FD	4.72	15
24	Water Fountain @ HS 113	FL	--	15
25	Water Fountain Left @ Old Gym	FD	42	15
26	Water Fountain Left @ Old Gym	FL	17.2	15
27	Health Office Bathroom Faucet	FD	1.32	15
28	Health Office Bathroom Faucet	FL	--	15
29	Water Fountain @ 216	FD	15.2	15
30	Water Fountain @ 216	FL	17.2	15
31	Kitchen Faucet 2 nd Floor High School Teacher's Lounge	FD	10.3	15
32	Kitchen Faucet 2 nd Floor High School Teacher's Lounge	FL	NA	15
33	Water Fountain @ 212	FD	2.86	15
34	Water Fountain @ 212	FL	--	15
35	Water Fountain @ Science Room 3 rd Floor	FD	ND	15
36	Water Fountain @ Science Room 3 rd Floor	FL	--	15
37	Bathroom Faucet Girl's Room 3 rd Floor	FD	15.1	15
38	Bathroom Faucet Girl's Room 3 rd Floor	FL	--	15
39	Bathroom Faucet Right Boys 2 nd Floor	FD	ND	15
40	Bathroom Faucet Right Boys 2 nd Floor	FL	--	15
41	Bathroom Faucet Right Boy's 1 st Floor	FD	4	15

42	Bathroom Faucet Right Boy's 1 st Floor	FL	--	15
43	Bathroom Faucet Left Boy's 1 st Floor	FD	2.32	15
44	Bathroom Faucet Left Boy's 1 st Floor	FL	--	15
45	Bathroom Faucet Right Girl's 1 st Floor	FD	3.26	15
46	Bathroom Faucet Right Girl's 1 st Floor	FL	--	15
47	Bathroom Faucet Left Girl's 1 st Floor	FD	2.58	15
48	Bathroom Faucet Left Girl's 1 st Floor	FL	--	15
49	Bathroom Faucet 1 st Floor Business Office	FD	3.58	15
50	Bathroom Faucet 1 st Floor Business Office	FL	--	15
51	Kitchen Faucet M106 Teachers	FD	1.31	15
52	Kitchen Faucet M106 Teachers	FL	--	15
53	Water Fountain @ 1 st Floor Boy's Right	FD	2.13	15
54	Water Fountain @ 1 st Floor Boy's Right	FL	--	15
55	Water Fountain @ 1 st Floor Boy's Left	FD	5.08	15
56	Water Fountain @ 1 st Floor Boy's Left	FL	--	15
57	Bathroom Faucet Middle School 1 st Floor Boys	FD	6.17	15
58	Bathroom Faucet Middle School 1 st Floor Boys	FL	--	15
59	Bathroom Faucet Middle School 1 st Floor Girls	FD	3.50	15
60	Bathroom Faucet Middle School 1 st Floor Girls	FL	--	15
61	Kitchen Faucet Middle School Main Office	FD	ND	15
62	Kitchen Faucet Middle School Main Office	FL	--	15
63	Bathroom Faucet Middle School 1 st Floor Faculty	FD	1.21	15

64	Bathroom Faucet Middle School 1 st Floor Faculty	FL	--	15
65	Bathroom Faucet Café Girls	FD	1.11	15
66	Bathroom Faucet Café Girls	FL	--	15
67	Bathroom Faucet Café Boys	FD	ND	15
68	Bathroom Faucet Café Boys	FL	--	15
69	Water Fountain @ Middle School M-220	FD	ND	15
70	Water Fountain @ Middle School M-220	FL	--	15
71	Bathroom Faucet Left Middle School 2 nd Floor Boys	FD	4	15
72	Bathroom Faucet Left Middle School 2 nd Floor Boys	FL	--	15
73	Bathroom Faucet Left Middle School 2 nd Floor Girls	FD	1.82	15
74	Bathroom Faucet Left Middle School 2 nd Floor Girls	FL	--	15
75	Bathroom Faucet Middle School 2 nd Floor Teachers	FD	ND	15
76	Bathroom Faucet Middle School 2 nd Floor Teachers	FL	--	15
77	Bathroom Faucet Left Middle School @ M-211	FD	5.89	15
78	Bathroom Faucet Left Middle School @ M-211	FL	--	15
79	Bathroom Faucet Right Girl's Middle School @ M-211	FD	8.96	15
80	Bathroom Faucet Right Girl's Middle School @ M-211	FL	--	15
81	Water Fountain Right @ M-218	FD	1.95	15
82	Water Fountain Right @ M-218	FL	--	15
83	Water Fountain Left @ M-218	FD	ND	15
84	Water Fountain Left @ M-218	FL	--	15
85	Faculty Bathroom Faucet Women's Middle School 2 nd Floor	FD	3.10	15

86	Faculty Bathroom Faucet Women's Middle School 2 nd Floor	FL	--	15
87	Faculty Bathroom Faucet Men Middle School 2 nd Floor	FD	3.02	15
88	Faculty Bathroom Faucet Men Middle School 2 nd Floor	FL	--	15

⁽¹⁾ EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.

FD – First Draw Sample

FL – Flush Sample (30 sec)

NA – Not Analyzed

NA (1) – Not analyzed due to sample preservative problem; associated flush sample analyzed instead

2 SAMPLING METHODOLOGY:

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (HNO₃) as a preservative.

Flush Samples – After collection of first draw samples the water was allowed to flow at a relatively slow rate for thirty second to flush the fixture and close piping. The flush samples are intended to test the plumbing further upstream from the fixture (behind walls).

The samples were packaged in a cooler and shipped to Pace Analytical, Melville, NY for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

Two (2) first draw sample results were above 15 ppb. Of these two (2) flush sample results were also above 15 ppb. This indicates that the source of lead may be within the building main plumbing but local to the specific fixtures.

4 RECOMMENDATIONS:

Short term:

- Conduct further evaluation and testing of outlets with elevated results.

Long Term:

- If additional testing shows similar results (first draw results above 15 ppb) consider replacing the spout of the fountains (may contain brass, adding to lead levels), installing filters (if practical), or fixture replacement.
- Repeat full building testing on an annual basis. Generally this should be performed in August prior to the start of the school season.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.

A. Lead in Water Laboratory Reports



EMSL Analytical, Inc.

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The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/29/2016. The results are tabulated on the attached data pages for the following client designated project:

16-1199A

The reference number for these samples is EMSL Order #011604211. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Phillip Worby, Chemistry Laboratory Manager



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

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Project: 16-1199A

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>			<i>Lab ID:</i>			
01 KF Center - FD		6/21/2016			0001			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	1.61	1.00	µg/L	6/29/2016	EG	6/30/2016	EG
03 KF Wash Sink - FD		6/21/2016			0003			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG
05 KF Pot Filler - FD		6/21/2016			0005			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	10.4	1.00	µg/L	6/29/2016	EG	6/30/2016	EG
07 KF Serv Area - FD		6/21/2016			0007			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	3.44	1.00	µg/L	6/29/2016	EG	6/30/2016	EG
09 WF @ HA Gym - FD		6/21/2016			0009			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG
11 WF @ HS Girls Locker - FD		6/21/2016			0011			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG
13 HS Trainer's Office - FD		6/21/2016			0013			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

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Analytical Results

Client Sample Description 15
 WF @ HS Trainer's Office - FD
Collected: 6/21/2016 **Lab ID:** 0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 17
 WF @ Café Rear - FD
Collected: 6/21/2016 **Lab ID:** 0017

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 19
 WF @ Café Front - FD
Collected: 6/21/2016 **Lab ID:** 0019

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 21
 WF @ HS 118 - FD
Collected: 6/21/2016 **Lab ID:** 0021

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.55	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 23
 WF @ HS 113 - FD
Collected: 6/21/2016 **Lab ID:** 0023

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	4.72	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 25
 WF @ Old Gym - FD
Collected: 6/21/2016 **Lab ID:** 0025

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	42.0	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 26
 WF @ Old Gym - FL
Collected: 6/21/2016 **Lab ID:** 0026

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	17.2	1.00	µg/L	7/6/2016	EG	7/6/2016	EG

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Analytical Results

Client Sample Description 27
 Health Office BF- FD
Collected: 6/21/2016 **Lab ID:** 0027

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.32	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 29
 WF @ 216 - FD
Collected: 6/21/2016 **Lab ID:** 0029

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	15.2	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 30
 WF @ 216 - FL
Collected: 6/21/2016 **Lab ID:** 0030

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	17.2	1.00	µg/L	7/6/2016	EG	7/6/2016	EG

Client Sample Description 31
 KF 2nd FI HS Teacher's Lounge - FD
Collected: 6/21/2016 **Lab ID:** 0031

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	10.3	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 33
 WF @ 212 - FD
Collected: 6/21/2016 **Lab ID:** 0033

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.86	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 35
 WF @ Science Rm 3rd FI - FD
Collected: 6/21/2016 **Lab ID:** 0035

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 37
 BF Girls Rm 3rd FI - FD
Collected: 6/21/2016 **Lab ID:** 0037

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	15.1	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

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Analytical Results

Client Sample Description 38
 BF Girls Rm 3rd FI - FL
Collected: 6/21/2016 **Lab ID:** 0038

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	7/6/2016	EG	7/6/2016	EG

Client Sample Description 39
 BF R Boys 2nd FI - FD
Collected: 6/21/2016 **Lab ID:** 0039

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.41	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 41
 BF R Boys 1st FI - FD
Collected: 6/21/2016 **Lab ID:** 0041

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	4.00	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 43
 BF L Boys 1st FI - FD
Collected: 6/21/2016 **Lab ID:** 0043

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.32	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 45
 BF R Girls 1st FI - FD
Collected: 6/21/2016 **Lab ID:** 0045

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.26	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 47
 BF L Girls 1st FI - FD
Collected: 6/21/2016 **Lab ID:** 0047

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.58	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 49
 BF 1st FI Business Office - FD
Collected: 6/21/2016 **Lab ID:** 0049

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.58	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

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Analytical Results

Client Sample Description 51 **Collected:** 6/21/2016 **Lab ID:** 0051
 KF M106 Teachers - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.31	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 53 **Collected:** 6/21/2016 **Lab ID:** 0053
 WF @ 1st FI Boys R - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.13	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 55 **Collected:** 6/21/2016 **Lab ID:** 0055
 WF @ 1st FI Boys L - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.08	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 57 **Collected:** 6/21/2016 **Lab ID:** 0057
 BF MS 1st FI Boys - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	6.17	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 59 **Collected:** 6/21/2016 **Lab ID:** 0059
 BF MS 1st FI Girls - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.50	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 61 **Collected:** 6/21/2016 **Lab ID:** 0061
 KF MS Main Office - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 63 **Collected:** 6/21/2016 **Lab ID:** 0063
 BF MS 1st FI Faculty - FD

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.21	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

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Project: 16-1199A

Analytical Results

Client Sample Description 65
 BF Café Girls - FD
Collected: 6/21/2016 **Lab ID:** 0065

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.11	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 67
 BF Café Boys - FD
Collected: 6/21/2016 **Lab ID:** 0067

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 69
 WF @ MS M-220 - FD
Collected: 6/21/2016 **Lab ID:** 0069

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 71
 BF L MS 2nd FI Boys - FD
Collected: 6/21/2016 **Lab ID:** 0071

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	4.00	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 73
 BF L MS 2nd FI Girls - FD
Collected: 6/21/2016 **Lab ID:** 0073

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.82	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 75
 BF MS 2nd FI Teachers - FD
Collected: 6/21/2016 **Lab ID:** 0075

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 77
 BF L MS @ M-211 - FD
Collected: 6/21/2016 **Lab ID:** 0077

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.89	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>EnvChemistry2@emsl.com

EMSL Order: 011604211

CustomerID: OMEG50

CustomerPO:

ProjectID:

Attn: **Michael Levay**
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 06/29/16 11:30 AM

Project: 16-1199A

Analytical Results

Client Sample Description 79
 BF R Girls MS @ M-211 - FD
Collected: 6/21/2016 **Lab ID:** 0079

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	8.96	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 81
 WF R @ M-218 - FD
Collected: 6/21/2016 **Lab ID:** 0081

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.95	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 83
 WF L @ M-218 - FD
Collected: 6/21/2016 **Lab ID:** 0083

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 85
 Faculty BF Woman MS 2nd FI - FD
Collected: 6/21/2016 **Lab ID:** 0085

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.10	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Client Sample Description 87
 Faculty BF Men MS 2nd FI - FD
Collected: 6/21/2016 **Lab ID:** 0087

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.02	1.00	µg/L	6/29/2016	EG	6/30/2016	EG

Definitions:

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)



Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

011604211

Company: Omega Environmental		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: 280 Huyler Street		Third Party Billing requires written authorization from third party	
City: South Hackensack	State/Province: NJ	Zip/Postal Code: 07606	Country: US
Report To (Name): Michael Levay		Telephone #: 201.206.9567	
Email Address: Mikel@omega-env.com		Fax #:	Purchase Order:
Project Name/Number: 16-1199A		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: NY		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input checked="" type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: MICHAEL LEVAY Signature of Sampler:

Sample #	Location	Volume/Area	Date/Time Sampled
1 01	KF Center - FD	250L	6/21/2016 - 5AM
2 02	KF Center - FL	250L	6/21/2016
3 03	KF Wash Sink - FD	250L	6/21/2016
4 04	KF Wash Sink - FL	250L	6/21/2016
5 05	KF Pot Filler - FD	250L	6/21/2016

Client Sample #'s: 01 - 88 Total # of Samples: 88

Relinquished (Client): 6/28/16 M. Levay Date: 6/28/16 M. Levay Time: 12pm

Received (Lab): Victoria Fusco Date: 6/29/16 Time: 11:30 AM

Comments: 11:30 AM 6/29/16

Analyze for Lead in Water by EPA 200.8
Analyze FD samples (First Draw) only. If FD is >15ppb, analyze FL (Flush Sample) @ same location.

011604211



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

LEAD (Pb) CHAIN OF CUSTODY
EMSL ORDER ID (Lab Use Only):

[Empty box for EMSL Order ID]

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
6 06	KF Pot Filler - FL	250L	6/21/2016
7 07	KF Serv Area - FD	↓	↓
8 08	KF Serv Area - FL		
9 09	WF @ HS Gym - FD		
10 10	WF @ HS Gym - FL		
11 11	WF @ HS Girls Locker - FD		
12 12	WF @ HS Girls Locker - FL		
13 13	HS Trainer's Office - FD		
14 14	HS Trainer's Office - FL		
15 15	WF @ HS Trainer's Office - FD		
16 16	WF @ HS Trainer's Office - FL		
17 17	WF @ Cafe Rear - FD		
18 18	WF @ Cafe Rear - FL		
19 19	WF @ Cafe Front - FD		
20 20	WF @ Cafe Front - FL		
21 21	WF @ HS 118 - FD		
22 22	WF @ HS 118 - FL		
23 23	WF @ HS 113 - FD		

Comments/Special Instructions:

Analyze for Lead in Water by EPA 200.8
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011604211



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Sample #	Location	Volume/Area	Date/Time Sampled
24	WF @ HS 113 - FL	250L	6/21/2016
25	WF L @ Old Gym - FD	↓	↓
26	WF L @ Old Gym - FL		
27	Health Office BF - FD		
28	Health Office BF - FL		
29	WF @ 216 - FD		
30	WF @ 216 - FL		
31	KF 2nd FI HS Teacher's Lounge - FD		
32	KF 2nd FI HS Teacher's Lounge - FL		
33	WF @ 212 - FD		
34	WF @ 212 - FL		
35	WF @ Science Rm 3rd FI - FD		
36	WF @ Science Rm 3rd FI - FL		
37	BF Girls Rm 3rd FI - FD		
38	BF Girls Rm 3rd FI - FL		
39	BF R Boys 2nd FI - FD		
40	BF R Boys 2nd FI - FL		
41	BF R Boys 1st FI - FD		

Comments/Special Instructions:

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Sample #	Location	Volume/Area	Date/Time Sampled
42	BF R Boys 1st FI - FL	250L	6/21/2016
43	BF L Boys 1st FI - FD	↓	↓
44	BF L Boys 1st FI - FL		
45	BF R Girls 1st FI - FD		
46	BF R Girls 1st FI - FL		
47	BF L Girls 1st FI - FD		
48	BF L Girls 1st FI - FL		
49	BF 1st FI Business Office - FD		
50	BF 1st FI Business Office - FL		
51	KF M106 Teachers - FD		
52	KF M106 Teachers - FL		
53	WF @ 1st FI Boys R - FD		
54	WF @ 1st FI Boys R - FL		
55	WF @ 1st FI Boys L - FD		
56	WF @ 1st FI Boys L - FL		
57	BF MS 1st FI Boys - FD		
58	BF MS 1st FI Boys - FL		
59	BF MS 1st FI Girls - FD		

Comments/Special Instructions:
 Analyze for Lead in Water by EPA 200.8
 Analyze FD samples (First Draw) only. If FD is >15ppb, analyze FL (Flush Sample) @ same location.

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Sample #	Location	Volume/Area	Date/Time Sampled
60	BF MS 1st FI Girls - FL	250L	6/21/2016
61	KF MS Main Office - FD	↓	↓
62	KF MS Main Office - FL		
63	BF MS 1st FI Faculty - FD		
64	BF MS 1st FI Faculty - FL		
65	BF Cafe Girls - FD		
66	BF Cafe Girls - FL		
67	BF Cafe Boys - FD		
68	BF Cafe Boys - FL		
69	WF @ MS M-220 - FD		
70	WF @ MS M-220 - FL		
71	BF L MS 2nd FI Boys - FD		
72	BF L MS 2nd FI Boys - FL		
73	BF L MS 2nd FI Girls - FD		
74	BF L MS 2nd FI Girls - FL		
75	BF MS 2nd FI Teachers - FD		
76	BF MS 2nd FI Teachers - FL		
77	BF L MS @ M-211 - FD		

Comments/Special Instructions:
Analyze for Lead in Water by EPA 200.8
Analyze FD samples (First Draw) only. If FD is >15ppb, analyze FL (Flush Sample) @ same location.



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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

78
79
80
81
82
83
84
85
86
87
88

Sample #	Location	Volume/Area	Date/Time Sampled
78	BF L Boys MS @ M-211 - FL	250L	6/21/2016
79	BF R Girls MS @ M-211 - FD		
80	BF R Girls MS @ M-211 - FL		
81	WF R @ M-218 - FD		
82	WF R @ M-218 - FL		
83	WF L @ M-218 - FD		
84	WF L @ M-218 - FL		
85	Faculty BF Women MS 2nd FI - FD		
86	Faculty BF Women MS 2nd FI - FL		
87	Faculty BF Men MS 2nd FI - FD		
88	Faculty BF Men MS 2nd FI - FL		

Comments/Special Instructions:

Analyze for Lead in Water by EPA 200.8
Analyze FD samples (First Draw) only. If FD is >15ppb, analyze FL (Flush Sample) @ same location