

LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Gerry Mihalitsianos Hasbrouck Heights Board of Education 379 Boulevard Hasbrouck Heights, NJ 07604
SITE INVESTIGATED:	Middle School/High School 379 Boulevard Hasbrouck Heights, NJ 07604
ASSESSMENT BY:	Kyle Brown Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	4/26/17
DATE OF REPORT:	5/17/17

(Omega Project # 17-27018A)

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EXECUTIVE SUMMARY:

The Hasbrouck Heights Board of Education requested lead in water testing of potable water outlets at Middle School/High School, 379 Boulevard, Hasbrouck Heights, NJ 07604.

Previous Testing

No information related to previous testing was available.

Recent Testing (4/26/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on April 26, 2017.

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

First draw and flush samples (30 second) were collected of 24 water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. One first draw sample was above 15 ppb. Some of the associated flush samples were above 15 ppb.

See Section 3 Discussion of Results

1 RESULTS TABLE:

Sample #	Location	1 st draw (FD) or Flush (FL)	Results (ppb)	LCR Action Level ⁽¹⁾ (ppb)
1	Water Cooler in Cafeteria	FD	1.16	15
2	Water Cooler in Cafeteria	FL	1.22	15
3	Kitchen Sink Left	FD	1.72	15
4	Kitchen Sink Left	FL	1.01	15
5	Kitchen Sink Center	FD	2.79	15
6	Kitchen Sink Center	FL	ND	15
7	Kitchen Sink Right	FD	2.14	15
8	Kitchen Sink Right	FL	ND	15
9	Water Cooler at 100	FD	ND	15
10	Water Cooler at 100	FL	ND	15
11	Water Cooler at Stairs near Old Gym	FD	11.2	15
12	Water Cooler at Stairs near Old Gym	FL	16.4	15
13	Nurse Office Sink	FD	4.91	15
14	Nurse Office Sink	FL	3.25	15
15	Water Cooler at Nurse Office	FD	2.00	15
16	Water Cooler at Nurse Office	FL	2.45	15

Page 3 of 6: Lead in Water Testing Report, {Omega Project#: 17-27018A}

Omega Environmental Services, Inc. 280 Huyler Street - South Hackensack, NJ 07606 - Tel: (201) 489-8700 - Fax: (201)342-5412

17	Water Cooler at Faculty Room	FD	2.71	15
18	Water Cooler at Faculty Room	FL	1.40	15
19	Water Cooler in Old Gym	FD	4.82	15
20	Water Cooler in Old Gym	FL	8.46	15
21	Media Center Left	FD	ND	15
22	Media Center Left	FL	ND	15
23	Media Center Right	FD	ND	15
24	Media Center Right	FL	ND	15
25	Water Cooler at 26	FD	2.50	15
26	Water Cooler at 26	FL	2.92	15
27	Water Cooler Across from 310	FD	16.6	15
28	Water Cooler Across from 310	FL	18.4	15
29	Water Cooler at 316	FD	3.62	15
30	Water Cooler at 316	FL	4.00	15
31	Left Sink (Depkin Field)	FD	6.94	15
32	Left Sink (Depkin Field)	FL	2.41	15
33	Right Sink (Depkin Field)	FD	5.21	15
34	Right Sink (Depkin Field)	FL	10.1	15
35	Hose @ Field House (Depkin Field)	FD	ND	15
36	Hose @ Field House (Depkin Field)	FL	ND	15
37	Ice Machine in Field House (Depkin Field)	FD	ND	15
38	Ice Machine in Field House (Depkin Field)	FL	ND	15
39	Sink (Depkin Field)	FD	1.28	15
40	Sink (Depkin Field)	FL	ND	15
41	Gym (Sink) (Franklin Gym)	FD	ND	15
42	Gym (Sink) (Franklin Gym)	FL	ND	15
43	Gym (Ice Machine) (Franklin Gym)	FD	ND	15
44	Gym (Ice Machine) (Franklin Gym)	FL	Not Sampled	15
45	Blank	FD	ND	15
46	Center Sink (Depkin Field)	FD	6.66	15
47	Center Sink (Depkin Field)	FL	3.74	15
48	Slop Sink (Depkin Field)	FD	4.85	15
49	Slop Sink (Depkin Field)	FL	1.34	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)

ND – Indicates that the analyte was not detected at the reporting limit

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 EMSL Analytical, Inc, Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

One first draw sample result was above 15 ppb. Two flush sample results were also above 15 ppb.

4 **RECOMMENDATIONS:**

Short term:

- Take any outlets with elevated results out of service.
- 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



Fax:

5/11/2017

Michael Levay Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606 Phone: (201) 489-8700

(201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/28/2017. The results are tabulated on the attached data pages for the following client designated project:

17-27018A

The reference number for these samples is EMSL Order #011703341. 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.

Approved By:

Phillip Worby, Environmental Chemistry Laboratory Director



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, CA ELAP 1877

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.











		EMSL Analytical, Inc 200 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	• NJ 08077 858-4571 <u>EnvChemistry2@emsl.com</u>	1		EMSL Order: CustomerID: CustomerPO: ProjectID:	011703341 OMEG50
Attn:	Michael Lo Omega Er 280 Huyle South Hao	evay ivironmental Services r Street ckensack, NJ 07606		Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 04/28/17 8:30 Al	М	
Projec	ct: 17-27018A						

	Α	nalytical	Result	S				
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Method	Parameter	Result	<i>RL</i>	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 37 Ice Machine in Field House FD		Colle	ected:	4/26/2017	Lab ID:	011703341	1-0037
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 38 Ice Machine in Field House FL		Colle	ected:	4/26/2017	Lab ID:	011703341	-0038
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 39 Sink FD		Colle	ected:	4/26/2017	Lab ID:	011703343	1-0039
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.28	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 40 Sink FL		Colle	ected:	4/26/2017	Lab ID:	011703343	1-0040
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 41 Gym (WC) FD		Colle	ected:	4/26/2017	Lab ID:	011703343	1-0041
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 42 Gym (WC) FL		Colle	ected:	4/26/2017	Lab ID:	011703343	1-0042
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/5/2017	EG	5/5/2017	EG
Client Sample Description	n 43 Gym (IM) FD		Colle	ected:	4/26/2017	Lab ID:	01170334	1-0043
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst



Definitions:

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

RL - Reporting Limit (Analytical)

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EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

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Street: 280 Huyler Street				Street:	280 Huyler	· Street		
City: S. Hackensack	State: NJ	Zip:	76	06 City/State	/Zip:	S. Hackensack, 1	NJ 07606	
Phone 201.489.8700	Fax: 201.3	342.5412		Phone:	201.489.87	700 Fax:	201.342.5412	
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