



LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: Gerry Mihalitsianos
Hasbrouck Heights Board of Education
379 Boulevard
Hasbrouck Heights, NJ 07604

SITE INVESTIGATED: Euclid School
1 Burton Avenue
Hasbrouck Heights, NJ 07604

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

**INVESTIGATION
CONDUCTED:** 4/27/17

DATE OF REPORT: 5/17/17

(Omega Project # 17-27018C)

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:

The Hasbrouck Heights Board of Education requested lead in water testing of potable water outlets at Euclid School, 1 Burton Avenue, Hasbrouck Heights, NJ 07604.

Previous Testing

No information related to previous testing was available.

Recent Testing (4/27/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on April 27, 2017.

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

First draw and flush samples (30 second) were collected of 5 water fountains and sinks.

All results were below the Lead and Copper action level of 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 at Basement Nurse's Office	FD	ND	15
2	Water Cooler at Basement Nurse's Office	FL	ND	15
3	Water Cooler at 202	FD	ND	15
4	Water Cooler at 202	FL	ND	15
5	Water Cooler at 207	FD	ND	15
6	Water Cooler at 207	FL	ND	15
7	Water Cooler at 302	FD	ND	15
8	Water Cooler at 302	FL	ND	15
9	Water Cooler at 307	FD	ND	15
10	Water Cooler at 307	FL	ND	15
11	Blank	FD	ND	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:

All lead in water results were below the EPA Lead and Copper action level of 15 ppb. No analysis was performed for copper in water.

4 RECOMMENDATIONS:

Short term:

- No further action is recommended in regards to outlet testing.

Long Term:

- 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.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

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

5/11/2017

Phone: (201) 489-8700
Fax: (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:

17-27018C

The reference number for these samples is EMSL Order #011703327. 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, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 011703327
 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: 04/28/17 8:30 AM

Project: 17-27018C

Analytical Results

Client Sample Description 1 @ Bsmt Nurse's Office FD **Collected:** 4/27/2017 **Lab ID:** 011703327-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 2 @ Bsmt Nurse's Office FL **Collected:** 4/27/2017 **Lab ID:** 011703327-0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 3 @ 202 FD **Collected:** 4/27/2017 **Lab ID:** 011703327-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 4 @ 202 FL **Collected:** 4/27/2017 **Lab ID:** 011703327-0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 5 @ 207 FD **Collected:** 4/27/2017 **Lab ID:** 011703327-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 6 @ 207 FL **Collected:** 4/27/2017 **Lab ID:** 011703327-0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 7 @ 302 FD **Collected:** 4/27/2017 **Lab ID:** 011703327-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 8 @ 302 FL **Collected:** 4/27/2017 **Lab ID:** 011703327-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst

**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: 011703327

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: 04/28/17 8:30 AM

Project: 17-27018C

Analytical Results

Client Sample Description 8 @ 302 FL **Collected:** 4/27/2017 **Lab ID:** 011703327-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 9 @ 307 FD **Collected:** 4/27/2017 **Lab ID:** 011703327-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 10 @ 307 FL **Collected:** 4/27/2017 **Lab ID:** 011703327-0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 11 Blank FD **Collected:** 4/27/2017 **Lab ID:** 011703327-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Definitions:

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

RL - Reporting Limit (Analytical)



011703327

Environmental Chemistry
Chain of Custody
EMSL Order Number (Lab Use Only):

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

EMSL ANALYTICAL, INC.

Report To Contact Name: Michael Levey
 Company Name: Omega Environmental
 Street: 280 Huyler Street
 City: S. Hackensack State: NJ Zip: 7606
 Phone 201.489.8700 Fax: 201.342.5412
 Project Name: 17-27018C Email Results To: lab@omega-env.com US State Samples Collected: NJ
 Number of Samples in Shipment: 10 Date of Shipment: [blank]
 Standard Turnaround Time: X2 Weeks Following TATs are subject to Lab Approval: 1 Week 4 Days 3 Days 2 Days 1 Day

Client Sample ID	Comp	Grab	Date/Time	Matrix	Preserv.	List Tests(s) Needed	Comments
1 @ Bsmt Nurse's Office	FD	X	4/27 5:30	W=Water S=Soil A=Air O=Other	1=HCL 2=HNO3 3=H2SO4 O=Other	SW/DC/20	
2 @ Bsmt Nurse's Office	FL	X		DW	2	X	
3 @ 202	FD	X		DW	2	X	
4 @ 202	FL	X		DW	2	X	
5 @ 207	FD	X		DW	2	X	
6 @ 207	FL	X		DW	2	X	
7 @ 302	FD	X		DW	2	X	
8 @ 302	FL	X		DW	2	X	
9 @ 307	FD	X		DW	2	X	
10 @ 307	FL	X		DW	2	X	
11 - Blank	FD	X		DW	2	X	

Released By (Signature): [Signature] Date & Time: 4/27/17 6:00 AM
 Received By: [Signature] Date & Time: 4/27/17 7:30
 Instructions or Comments: [Signature] rec'd on plan 22.1 u/28/17 08:30