



## LEAD IN POTABLE WATER SCREENING REPORT

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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: 10/17/2017

DATE OF REPORT: 10/31/2017

(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*

On April 26, 2017 and July 23, 2017 Omega performed a full testing of all potable outlets. First draw and flush samples (30 second) were collected of 25 water fountains and/or sinks.

Results of first draw samples revealed two results above the Lead and Copper Rule action level of 15 ppb. The flush samples of the outlet above 15ppb were then analyzed and one found to be above 15 ppb. This indicated the source of lead is in the fixture itself, not the building plumbing. See report dated August 9, 2017.

*Recent Testing (10/17/17)*

In order to assess the building water outlets a full testing of all potable outlets was performed on October 17, 2017.

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

First draw and flush samples (30 second) were collected of 2 water fountains.

**All results were below the Lead and Copper action level of 15 ppb.**

See Section 3 Discussion of Results

**1 RESULTS TABLE:**

<b>Sample #</b>	<b>Location</b>	<b>1<sup>st</sup> draw (FD) or Flush (FL)</b>	<b>Results (ppb)</b>	<b>LCR Action Level <sup>(1)</sup> (ppb)</b>
11	Water Cooler at Stairs near Old Gym	FD	ND	15
12	Water Cooler at Stairs near Old Gym	FL	NA	15
27	Water Cooler Across from 310	FD	ND	15
28	Water Cooler Across from 310	FL	NA	15

<sup>(1)</sup> 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

NA – Not Analyzed

## 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 (HNO<sub>3</sub>) 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

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Attn:

**Omega Environmental Services, Inc.  
Omega Environmental Services  
280 Huyler Street  
South Hackensack, NJ 07606**

10/26/2017

Phone: (201) 489-8700  
Fax: (201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/19/2017. The results are tabulated on the attached data pages for the following client designated project:

**17-27018A Middle/HS**

The reference number for these samples is EMSL Order #011708401. 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:

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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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011708401

CustomerID: OMEG50

CustomerPO:

ProjectID:

Attn: **Omega Environmental Services, Inc.**  
**Omega Environmental Services**  
**280 Huyler Street**  
**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 10/19/17 8:00 AM

Project: 17-27018A Middle/HS

**Analytical Results**

**Client Sample Description** 11-WC at Stairs Near Gym FD **Collected:** 10/17/2017 **Lab ID:** 011708401-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	10/20/2017	SM	10/20/2017	SM

**Client Sample Description** 27-WC across 310-FD **Collected:** 10/17/2017 **Lab ID:** 011708401-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	10/20/2017	SM	10/20/2017	SM

**Definitions:**

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

RL - Reporting Limit (Analytical)



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

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

011708401

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Report To Contact Name: Omega Environmental Services, Inc.		Bill To Company: Omega Environmental Services, Inc.							
Company Name: Omega Environmental Services, Inc.		Attention To: Accounts Payable							
Street: 280 Huyler Street		Street: 280 Huyler Street							
City: South Hackensack	State/Province: NJ	City: South Hackensack	State/Province: NJ						
Phone: 201-486-8700	Fax: 201-342-5412	Phone: 201-489-8700	Fax: 201-342-5412						
Project Name: <u>17-27018A Middle HS</u>		Email Results To: lab@omega-env.com							
Number of Samples in Shipment: <u>2</u>		Purchase Order: <u>          </u>							
Standard Turnaround Time: <u>2 Weeks</u>		The following TAT's are subject to lab approval: <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 4 Days <input type="checkbox"/> 5 Days							
Failure to complete will hinder processing of samples									
Client Sample ID	Comp	Grab	Date/Time	Matrix	Preservative	Pb, IC/MS	List Test(s) Needed	Comments	
									W=Water
<u>12- WL @ Starts New by FD</u>	<u>↓</u>	<u>↓</u>	<u>FL</u>						
<u>12- ↓</u>	<u>↓</u>	<u>↓</u>	<u>FL</u>						
<u>27- WL across 310-FD</u>	<u>↓</u>	<u>↓</u>	<u>FL</u>						
<u>28- ↓</u>	<u>↓</u>	<u>↓</u>	<u>FL</u>						
Released By (Signature): <u>Huyler Brown</u>				Date & Time: <u>10/17 7:30 AM</u>		Received By: <u>Cip Allen</u>		Date & Time: <u>10/18/17 7:55P</u>	
Please indicate reporting requirements: <input checked="" type="checkbox"/> Results Only <input type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other <u>          </u>				Instructions or Comments: Analyze all first draw samples for each sampling point. If results are at or above 15 ppb for any first draw sample analyze the matching flush sample for that sampling point. FD=First Draw FL=Flush		Date & Time: <u>10/17 18:5</u>		Date & Time: <u>10/17 08:00</u>	

Controlled Document - Environmental Chemistry COC - RA - 12/27/2011