



## LEAD IN POTABLE WATER SCREENING REPORT

---

INVESTIGATION FOR: Andrew Gamper  
Waldwick Board of Education  
155 Summit Avenue  
Waldwick, NJ 07463

SITE INVESTIGATED: Middle School  
155 Wyckoff Avenue  
Waldwick, NJ 07463

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

INVESTIGATION  
CONDUCTED: 4/25/17

DATE OF REPORT: 5/16/17

(Omega Project # 17-27015D)

## **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 Waldwick Board of Education requested lead in water testing of potable water outlets at Middle School, 155 Wyckoff Avenue, Waldwick, NJ 07463.

### *Previous Testing*

No information related to previous testing was available.

### *Recent Testing (4/25/17)*

In order to assess the building water outlets a full testing of all potable outlets was performed on April 25, 2017.

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

First draw samples were collected of 14 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.**

See Section 3 Discussion of Results

## 1 RESULTS TABLE:

Sample #	Location	1 <sup>st</sup> draw (FD)	Results (ppb)	LCR Action Level <sup>(1)</sup> (ppb)
1	Room 215 #1	FD	7.19	15
2	Room 215 #2	FD	5.21	15
3	Room 215 #3	FD	25.9	15
4	Room 215 #4	FD	3.05	15
5	Room 215 #5	FD	2.98	15
6	Room 215 #6	FD	4.33	15
7	Near 210(L)	FD	8.64	15
8	Near 210(r)	FD	9.18	15
9	Near 203(L)	FD	ND	15
10	Near 203(r)	FD	ND	15
11	Room off gym	FD	2.60	15
12	Near 103 (L)	FD	ND	15
13	Near 103 (R)	FD	ND	15
14	Near 110	FD	4.88	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

## 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.

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 results were 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



**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:

**17-27015D**

The reference number for these samples is EMSL Order #011703332. 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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011703332

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: 17-27015D

**Analytical Results**

**Client Sample Description** 1 Room 215 #1 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	7.19	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 2 Room 215 #2 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.21	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 3 Room 215 #3 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	25.9	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 4 Room 215 #4 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.05	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 5 Room 215 #5 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.98	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 6 Room 215 #6 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	4.33	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 7 Near 210(L) FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	8.64	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 8 Near 210(r) FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0008

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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011703332

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: 17-27015D

**Analytical Results**

**Client Sample Description** 8 Near 210(r) FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	9.18	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 9 Near 203(L) FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 10 Near 203(r) FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 11 Room Off Gym FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.60	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 12 Near 103 (L) **Collected:** 4/25/2017 **Lab ID:** 011703332-0012

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 13 Near 103 (R) **Collected:** 4/25/2017 **Lab ID:** 011703332-0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Client Sample Description** 14 Near 110 FD **Collected:** 4/25/2017 **Lab ID:** 011703332-0014

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	4.88	1.00	µg/L	5/4/2017	EG	5/4/2017	EG

**Definitions:**

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

RL - Reporting Limit (Analytical)

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

**Environmental Chemistry**  
**Chain of Custody**

EMSL Order Number (Lab Use Only):  
011703332



EMSL ANALYTICAL, INC.

<b>Report To Contact Name:</b> Michael Levay		<b>Bill To Company:</b> Omega Environmental					
<b>Company Name:</b> Omega Environmental		<b>Attention To:</b> Accts Payable					
<b>Street:</b> 280 Huyler Street		<b>Street:</b> 280 Huyler Street					
<b>State:</b> NJ	<b>Zip:</b> 7606	<b>City/State/Zip:</b> S. Hackensack, NJ 07606					
<b>Phone:</b> 201.489.8700	<b>Fax:</b> 201.342.5412	<b>Phone:</b> 201.489.8700	<b>Fax:</b> 201.342.5412				
<b>Project Name:</b> 17-27015D		<b>Sampler Signature:</b> <i>Michael Levay</i>					
<b>Number of Samples in Shipment:</b> 14		<b>Date of Shipment:</b>					
<b>Standard Turnaround Time:</b> <input checked="" type="checkbox"/> 2 Weeks <input type="checkbox"/> 3 Days <input type="checkbox"/> 4 Days <input type="checkbox"/> 1 Day							
Failure to complete will hinder processing of samples							
Client Sample ID	Comp	Grab	Date/Time	Matrix	Preserv.	List Test(s) Needed	Comments
1 Room 215 #1 FD	X	X	4/25 6:30	DW	2	X	
2 Room 215 #2 FD	X	X		DW	2	X	
3 Room 215 #3 FD	X	X		DW	2	X	
4 Room 215 #4 FD	X	X		DW	2	X	
5 Room 215 #5 FD	X	X		DW	2	X	
6 Room 215 #6 FD	X	X		DW	2	X	
7 Near 210(L) FD	X	X		DW	2	X	
8 Near 210(r) FD	X	X		DW	2	X	
9 Near 203(L) FD	X	X		DW	2	X	
10 Near 203(r) FD	X	X		DW	2	X	
11 Room off gym FD	X	X		DW	2	X	
12 Near 103 (L) FD	X	X		DW	2	X	
13 Near 103 (R) FD	X	X		DW	2	X	
14 Near 110 FD	X	X		DW	2	X	
<del>15</del>							
<b>Released By (Signature)</b>		<b>Date &amp; Time</b>		<b>Received By</b>		<b>Date &amp; Time</b>	
<i>Michael Levay</i>		4/25/17 8:00		<i>Sam Cauer</i>		4/27/17 7:10 pm	

Please indicate reporting requirements:  Results only  Results and QC  Reduced Deliverables  Disk Deliverables  Other

Instructions or Comments: