



LEAD IN POTABLE WATER SCREENING REPORT

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

SITE INVESTIGATED: High 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 # 17-27015E)

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EXECUTIVE SUMMARY:

The Waldwick Board of Education requested lead in water testing of potable water outlets at High 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 16 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.

See Section 3 Discussion of Results

1 RESULTS TABLE:

Sample #	Location	1 st draw (FD)	Results (ppb)	LCR Action Level ⁽¹⁾ (ppb)
1	Men's Locker	FD	3.80	15
2	Water Fountain at Gym Entrance	FD	ND	15
3	Trainer's Office	FD	ND	15
4	Exterior Hose	FD	6.73	15
5	Women Locker	FD	Not Sampled	15
6	Kitchen (Left)	FD	4.00	15
7	Kitchen (Right)	FD	2.19	15
8	Water Fountain at 425 (Left)	FD	3.91	15
9	Water Fountain at 425 (Right)	FD	3.00	15
10	Staff Lounge	FD	1.76	15
11	Room 305	FD	2.77	15
12	Media Center	FD	2.77	15
13	Health Office	FD	19.9	15
14	Main Office	FD	5.15	15
15	Water Fountain at 139	FD	ND	15
16	Turf Field	FD	50.6	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.

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:

Two 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:

17-27015E

The reference number for these samples is EMSL Order #011703335. 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: 011703335

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: 17-27015E

Analytical Results

Client Sample Description 1 Men's Locker FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.80	1.00	µg/L	5/9/2017	EG	5/9/2017	EG

Client Sample Description 2 @ Gym Entrance FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/9/2017	EG	5/9/2017	EG

Client Sample Description 3 Trainer's Off. FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/9/2017	EG	5/9/2017	EG

Client Sample Description 4 Exterior Hose FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	6.73	1.00	µg/L	5/9/2017	EG	5/9/2017	EG

Client Sample Description 6 Kitchen (L) FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	4.00	1.00	µg/L	5/9/2017	EG	5/9/2017	EG

Client Sample Description 7 Kitchen (R) FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.19	1.00	µg/L	5/9/2017	EG	5/9/2017	EG

Client Sample Description 8 @ 425 (L) FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.91	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 9 @ 425 (R) FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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**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: 011703335

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: 17-27015E

Analytical Results

Client Sample Description 9 @ 425 (R) FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.00	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 10 Staff Lounge FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.76	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 11 Room 305 FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.77	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 12 Media Cntr FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.77	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 13 Health Off. FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0012

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	19.9	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 14 Main Off. FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.15	1.00	µg/L	5/3/2017	EG	5/5/2017	EG

Client Sample Description 15 @ 139 FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0014

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 16 Turf Field* FD **Collected:** 4/25/2017 **Lab ID:** 011703335-0015

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: 011703335

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: 17-27015E

Analytical Results**Client Sample Description** 16 Turf Field* FD**Collected:** 4/25/2017**Lab ID:** 011703335-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	50.6	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)



Environmental Chemistry
Chain of Custody

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

EMSL Order Number (Lab Use Only):
011703335

Report To Contact Name: Michael Levey
Company Name: Omega Environmental
Street: 280 Huyler Street
City: S. Hackensack **State:** NJ **Zip:** 07606
Phone: 201.489.8700 **Fax:** 201.342.5412
Project Name: 17-27015E
Number of Samples in Shipment: 15
Standard Turnaround Time: 2 Weeks 3 Weeks 4 Days 1 Day
Bill To Company: Omega Environmental
Attention To: Accts Payable
Street: 280 Huyler Street
City/State/Zip: S. Hackensack, NJ 07606
Phone: 201.489.8700 **Fax:** 201.342.5412
Email Results To: lab@omega-env.com **US State Samples Collected:** NJ
Date of Shipment:
Sampler Signature: *Michael Levey*

Failure to complete will hinder processing of samples

Client Sample ID	Comp	Grab	Date/Time	Matrix				Preserv.				List Test(s) Needed	Comments	
				W=Water	S=Soil	A=Air	O=Other	1=HCL	2=HNO3	3=H2SO4	O=Other			
1 Men's Locker	FD	X	4/25 6:00	DW				2						
2 @ Gym Entrance	FD	X		DW				2						
3 Trainer's Off.	FD	X		DW				2						
4 Exterior Hose	FD	X		DW				2						
5 Wanted Locker	FD	X		DW				2						
6 Kitchen (L)	FD	X		DW				2						
7 Kitchen (R)	FD	X		DW				2						
8 @ 425 (L)	FD	X		DW				2						
9 @ 425 (R)	FD	X		DW				2						
10 Staff Lounge	FD	X		DW				2						
11 Room 305	FD	X		DW				2						
12 Media Cntr	FD	X		DW				2						
13 Health Off.	FD	X		DW				2						
14 Main Off.	FD	X		DW				2						
15 @ 139	FD	X		DW				2						
16 Turf Field*	FD	X		DW				2						
17	FD	X		DW				2						

Released By (Signature): *Michael Levey* **Date & Time:** 4/25/17 8:00
Received By: *Jan Coverier* **Date & Time:** 4/27/17 7:10 pm
 Please indicate reporting requirements: Results only Results and QC Reduced Deliverables Disk Deliverables Other
 Instructions or Comments: *Jan Coverier*
Jan Coverier 2.0 \$/20/17 09:00