

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 Sample7.

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



5/11/2017

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

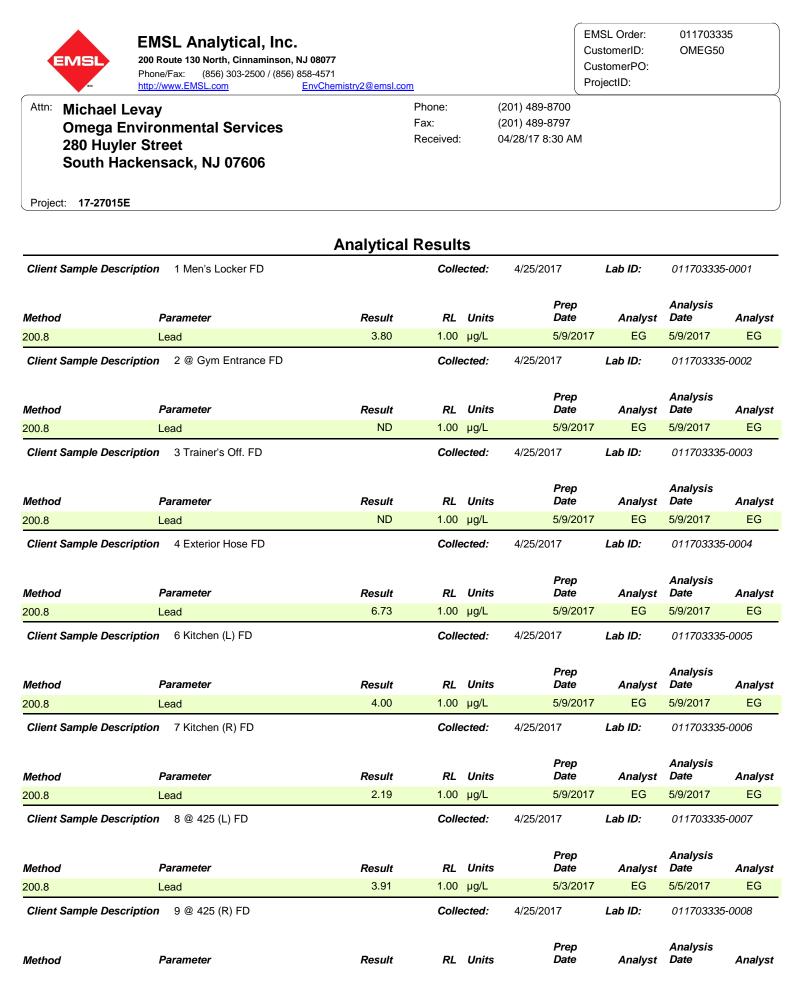
Approved By:

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	EMSL Analytical, In 200 Route 130 North, Cinnaminso Phone/Fax: (856) 303-2500 / (85 http://www.EMSL.com	n, NJ 08077		EMSL Order: CustomerID: CustomerPO: ProjectID:	011703335 OMEG50
Attn: Michael L	•	Phone: Fax:	(201) 489-8700 (201) 489-8797		
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		Analytical R	esults				
Client Sample De	escription 16 Turf Field* FD		Collected:	4/25/2017	Lab ID:	01170333	5-0015
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)

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

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

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