



LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: Gerry Mihalitsianos
Hasbrouck Heights BOE
379 Boulevard
Hasbrouck Heights, NJ 07604

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

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

INVESTIGATION
CONDUCTED: 2/2/2022

DATE OF REPORT: 3/18/2022

(Omega Project # 22-1068)

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EXECUTIVE SUMMARY:

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

Previous Testing (4/27/2017)

On April 27, 2017, Omega performed a full testing of all potable outlets. First draw and flush samples (30 second) were collected at five (5) water fountains and sinks. All of these sample results were below 15 ppb.

See report dated May 17, 2017.

Current Testing (2/2/2022)

In order to comply with the NJDEP *Lead in Drinking Water at Schools Facilities (April 2021)*, a full testing of all potable outlets was performed on February 2, 2022.

Reportedly the outlets were flushed the day prior to sampling.

First draw and flush samples (30 second) were collected at seven (7) water fountains and sinks.

Results of all first draw and flush samples analyzed were below the Lead and Copper Rule action level of 15 µg/L.

See Section 3 Discussion of Results

Applicable Corrective Action

No corrective action is recommended at this time.

Water Management/Plumbing Plan

A Lead in Water Sampling Plan exists for Euclid School.

1 RESULTS TABLE:

Sample #	Type	Location	1 st draw (FD) or flush (FL)	Lead	
				Results (µg/L)	LCR Action Level ⁽¹⁾ (µg/L)
ES 01 FD	Water Chiller	Cold Supply	FD	NOT FLUSHED	15
ES 02 FD	Water Chiller	Bottle Fill Station at Nurse's Office Rm. 104, 1 st Floor	FL	ND	15
ES 03 FL	Water Chiller	Bottle Fill Station at Nurse's Office Rm. 104, 1 st Floor	FD	ND	15
ES 04 FD	Water Chiller	Water Cooler at Room 202, 2 nd Floor	FL	ND	15
ES 05 FL	Water Chiller	Water Cooler at Room 202, 2 nd Floor	FD	ND	15
ES 06 FD	Water Chiller	Water Cooler at Room 207, Left 2 nd Floor	FL	ND	15
ES 07 FL	Nurse's Sink	Water Cooler at Room 207, Left 2 nd Floor	FD	ND	15
ES 08 FD	Nurse's Sink	Bottle Fill Station at Room 302, 3 rd Floor	FL	ND	15
ES 09 FL	Water Chiller	Bottle Fill Station at Room 302, 3 rd Floor	FD	ND	15
ES 10 FD	Water Chiller	Water Cooler at Room 306, 3 rd Floor	FL	ND	15
ES 11 FL	Water Chiller	Water Cooler at Room 306, 3 rd Floor	FD	ND	15
ES 12 FD	Water Chiller	Teacher's Lounge, Room 304 Sink, 3 rd Floor	FL	ND	15
ES 13 FL	Water Chiller	Teacher's Lounge, Room 304 Sink, 3 rd Floor	FD	ND	15
ES 14 FD	Water Chiller	Bottle Fill Station at Room 207, Right 2 nd Floor	FL	ND	15
ES 15 FL	Water Chiller	Bottle Fill Station at Room 207, Right 2 nd Floor	FD	ND	15
ES 16 BL	Field Blank	Field Blank	BL	ND	---

⁽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)

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 (HNO₃) as a preservative.

(Flush Samples) – After the 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. in Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

Results of all first draw and flush samples analyzed were below the Lead and Copper Rule action level of 15 µg/L.

4 RECOMMENDATIONS:

Short term:

- No corrective action is recommended at this time.

Long Term:

- If any outlets are not regularly used, or after extended periods without use (such as winter and summer breaks) flush all outlets for a few minutes prior to normal use.
- Repeat full building testing on an annual basis. Generally, this should be performed in August prior to the start of the school season.

Contact Omega Environmental to discuss specific recommendations.

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:

Lab
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

3/9/2022

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/23/2022. The results are tabulated on the attached data pages for the following client designated project:

22-1068 Hasbrouck Heights BOE-Euclid School

The reference number for these samples is EMSL Order #012203004. 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:

Owen McKenna, 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: 012203004
 CustomerID: OMEG50
 CustomerPO:
 ProjectID:

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

Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 2/23/2022 09:00 AM

Project: 22-1068 Hasbrouck Heights BOE-Euclid School

Analytical Results

Client Sample Description ES 02 FD
 Bottle Fill Station at Nurse's Office (Room 104) 1st Floor
Collected: 2/2/2022 10:54:00 AM
Lab ID: 012203004-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:16 VD

Client Sample Description ES 03 FL
 Bottle Fill Station at Nurse's Office (Room 104) 1st Floor
Collected: 2/2/2022 10:55:00 AM
Lab ID: 012203004-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:17 VD

Client Sample Description ES 04FD
 Water Cooler at Room 202, 2nd Floor
Collected: 2/2/2022 10:46:00 AM
Lab ID: 012203004-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:19 VD

Client Sample Description ES 05 FL
 Water Cooler at Room 202, 2nd Floor
Collected: 2/2/2022 10:47:00 AM
Lab ID: 012203004-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:20 VD

Client Sample Description ES 06 FD
 Water Cooler at Room 207, Left 2nd Floor
Collected: 2/2/2022 10:49:00 AM
Lab ID: 012203004-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:22 VD

**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: 012203004
 CustomerID: OMEG50
 CustomerPO:
 ProjectID:

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

Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 2/23/2022 09:00 AM

Project: 22-1068 Hasbrouck Heights BOE-Euclid School

Analytical Results

Client Sample Description ES 07 FL
 Water Cooler at Room 207, Left 2nd Floor
Collected: 2/2/2022 10:50:00 AM
Lab ID: 012203004-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:27 VD

Client Sample Description ES 08 FD
 Water Cooler at Room 302 Bottle Fill Station, 3rd Floor
Collected: 2/2/2022 10:42:00 AM
Lab ID: 012203004-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:28 VD

Client Sample Description ES 09 FL
 Water Cooler at Room 302 Bottle Fill Station, 3rd Floor
Collected: 2/2/2022 10:43:00 AM
Lab ID: 012203004-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:30 VD

Client Sample Description ES 10 FD
 Water Cooler at Room 306, 3rd Floor
Collected: 2/2/2022 10:35:00 AM
Lab ID: 012203004-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:31 VD

Client Sample Description ES 11 FL
 Water Cooler at Room 306, 3rd Floor
Collected: 2/2/2022 10:36:00 AM
Lab ID: 012203004-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:38 VD

**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: 012203004
 CustomerID: OMEG50
 CustomerPO:
 ProjectID:

Attn: **Lab** Phone: (201) 489-8700
Omega Environmental Services Fax: (201) 489-8797
280 Huyler Street Received: 2/23/2022 09:00 AM
South Hackensack, NJ 07606

Project: 22-1068 Hasbrouck Heights BOE-Euclid School

Analytical Results

Client Sample Description ES 12 FD Collected: 2/2/2022 Lab ID: 012203004-0011
 Teacher's Lounge, Room 304 Sink, 3rd Floor 10:38:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:45 VD

Client Sample Description ES 13 FL Collected: 2/2/2022 Lab ID: 012203004-0012
 Teacher's Lounge, Room 304 Sink, 3rd Floor 10:39:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:47 VD

Client Sample Description ES 14 FD Collected: 2/2/2022 Lab ID: 012203004-0013
 Bottle Fill Station at Room 207, Right 2nd Floor 10:51:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:49 VD

Client Sample Description ES 15 FL Collected: 2/2/2022 Lab ID: 012203004-0014
 Bottle Fill Station at Room 207, Right 2nd Floor 10:52:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:50 VD

Client Sample Description ES 16 Field Blank Collected: 2/2/2022 Lab ID: 012203004-0015
 Field Blank 12:35:00 PM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/4/2022 JM	3/7/2022 19:52 VD

Definitions:
 MDL - method detection limit
 J - Result was below the reporting limit, but at or above the MDL
 ND - indicates that the analyte was not detected at the reporting limit
 RL - Reporting Limit (Analytical)
 D - Dilution Sample required a dilution which was used to calculate final results

OrderID: 012203004



Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

012203004

PHONE: (800) 220-3675

EMAIL: Cinnaminson.LeadLab@emsl.com

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Omega Environmental Services	Company Name:	Omega Environmental Services
Contact Name:		Billing Contact:	
Street Address:	280 Huyler Street	Street Address:	280 Huyler Street
City, State, Zip:	South Hackensack, NJ 07606	City, State, Zip:	South Hackensack, NJ 07606
Country:	USA	Country:	USA
Phone:	201-489-8700	Phone:	201-489-8700
Email(s) for Report:	lab@omega-env.com	Email(s) for Invoice:	ap@omega-env.com

Project Information

Project Name/No: 22-1068 Hasbrouck Heights BOE- Euclid School

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: **NJ**

State of Connecticut (CT) must select project location: Commercial (Taxable) Residential (Non-Taxable)

Sampled By Name: **Ross Hernandez**

Sampled By Signature: *[Signature]*

No. of Samples in Shipment: **15**

Turn-Around Time (TAT)

3 Hour 6 Hour 24 Hour 32 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select sets only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ² *Reporting Limit based on a minimum 0.25g sample weight	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
AIR	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM *If no box is checked, non-ASTM Wipe is assumed	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLIC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved Preserved with HNO3	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved Preserved with HNO3	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
Samples begin on the following page.			

Method of Shipment: **Pick up**

Sample Condition Upon Receipt:

Relinquished by: Ross Hernandez	Date/Time: 2/22/22 14:00	Received by: CP 2/22/22 8pm	Date/Time:
Relinquished by:	Date/Time:	Received by: Elyse 2/23/22 9am	Date/Time:

Controlled Document - CQC-28 Lead R16 4/19/2021

*6010C Available Upon Request

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



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

Lead Chain of Custody
 EMSL Order Number / Lab Use Only

012203004

EMSL Analytical, Inc.
 200 Route 130 North
 Christianson, NJ 08077

PHONE: (800) 220-9675
 EMAIL: Christianson.lab@emsl.com

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	Notes
ES 01 FD	Cold Supply	250 mL		
ES 02 FD	Water Cooler at Nurse's Office (Room 104) 3rd Floor	250 mL	2/18/08 10:54	Not Flashed.
ES 03 FL	Water Cooler at Nurse's Office (Room 104) 3rd Floor	250 mL	10:55	
ES 04 FD	Water Cooler at Room 202	250 mL	10:46	
ES 05 FL	Water Cooler at Room 202	250 mL	10:47	
ES 06 FD	Water Cooler at Room 207, 4th + 5th Floor	250 mL	10:49	
ES 07 FL	Water Cooler at Room 207, 4th + 5th Floor	250 mL	10:50	
ES 08 FD	Water Cooler at Room 302	250 mL	10:48	
ES 09 FL	Water Cooler at Room 302	250 mL	10:43	
ES 10 FD	Water Cooler at Room 306	250 mL	10:35	
ES 11 FL	Water Cooler at Room 306	250 mL	10:36	
ES 12 FD	Teacher's lounge, Room 204, Sink	250 mL	10:28	
ES 13 FL	Water Cooler at Room 204, Sink	250 mL	10:39	
ES 14 FD	Bottle FILL Station at Room 207, Right 2nd Floor	250 mL	10:57	
ES 15 FL	Bottle FILL Station at Room 207, Right 2nd Floor	250 mL	10:59	
ES 16 FD	FIELD Blank	250 mL	10:35	
ES 17 FL	FIELD Blank	250 mL		
ES 18 FD	FIELD Blank	250 mL		

Order ID: 012203004

Requested by: *Paul Hernandez*

Order Time: *2/18/08 14:05*

Received by:

Date Time

Date Time

pg 2 of 2.