



## LEAD IN POTABLE WATER SCREENING REPORT

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INVESTIGATION FOR: Teresa O'Brien  
Delaware Valley Regional School District  
19 Senator Stout Road  
Frenchtown, NJ 08825

SITE INVESTIGATED: Frenchtown Elementary  
902 Harrison Street  
Frenchtown, NJ 08825

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

INVESTIGATION  
CONDUCTED: 4/14/2022

DATE OF REPORT: 5/2/2022

(Omega Project # 22-1103)

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## **EXECUTIVE SUMMARY:**

Delaware Valley Regional School District requested representative lead in water testing of potable water outlets at Delaware Valley Regional High School, 19 Senator Stout Road, Frenchtown, New Jersey, 08825.

### *Previous Testing (4/17/2017)*

Follow-up sampling was performed on April 17, 2017, where all results were below the Lead and Copper action level of 15 ppb.

### *Recent Testing (4/14/2022)*

In order to comply with the *NJDEP Lead in Drinking Water at Schools Facilities (April 2021)* requirements, a full testing of all potable outlets was performed on April 14, 2022.

Reportedly the outlets were flushed the day prior to sampling.

The following outlets were out-of-service on the day of sampling:

- Water Cooler Next to Gym
- Water Cooler Across from Cafeteria
- Water Cooler Across from Room 20

First draw samples were collected from 11 water fountains and sinks.

**All first draw results were below the Lead and Copper action level of 15 µg/L.**

### *See Section 3 Discussion of Results*

### *Applicable Corrective Action*

No corrective action is recommended at this time.

**1 RESULTS TABLE:**

Sample #	Location	1 <sup>st</sup> draw (FD) or flush (FL)	Lead	
			Results (µg/L)	LCR Action Level <sup>(1)</sup> (µg/L)
FE-1FD	Room 1 Pre-K Classroom Sink	FD	1.63	15
FE-2FD	Room 1 Pre-K Bathroom Sink	FD	1.05	15
FE-3FD	Nurse's Office Sink	FD	1.48	15
FE-4FD	Nurse's Office Bathroom Sink	FD	12.3	15
FE-5FD	Room 5 Kindergarten Classroom Sink	FD	3.63	15
FE-6FD	Bottle Fill Station Next to Auditorium	FD	ND	15
FE-7FD	Kitchen Hand Washing Sink	FD	1.95	15
FE-8FD	Kitchen Prep Sink	FD	7.51	15
FE-9FD	Kitchen Dish Washing Sink	FD	8.58	15
FE-10FD	2 <sup>nd</sup> Floor Teacher's Lounge Sink	FD	2.20	15
FE-11FD	Bottle Fill Station Across Room 18	FD	ND	15
FE-12FB	Field Blank	FB	-	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)

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.

The samples were packaged in a cooler and shipped to EMSL Analytical, Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

## 3 DISCUSSION OF RESULTS:

**All first draw results were below the Lead and Copper 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.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.

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**

4/29/2022

**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 4/20/2022. The results are tabulated on the attached data pages for the following client designated project:

**22-1103 Frenchtown Elementary School**

The reference number for these samples is EMSL Order #012206371. 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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012206371  
 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: 4/20/2022 09:00 AM

Project: 22-1103 Frenchtown Elementary School

**Analytical Results**

**Client Sample Description** FE01FD Room 1 PreK Classroom Sink **Collected:** 4/14/2022 9:01:00 AM **Lab ID:** 012206371-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.63	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:33

**Client Sample Description** FE-02FD Room 1 PreK Bathroom Sink **Collected:** 4/14/2022 9:02:00 AM **Lab ID:** 012206371-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.05	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:35

**Client Sample Description** FE-03FD Nurses Office Sink **Collected:** 4/14/2022 9:06:00 AM **Lab ID:** 012206371-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.48	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:37

**Client Sample Description** FE-04FD Nurses Office Bathroom Sink **Collected:** 4/14/2022 9:07:00 AM **Lab ID:** 012206371-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	12.3	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:44

**Client Sample Description** FE05FD Room 5 Kindergarten Classroom Sink **Collected:** 4/14/2022 9:11:00 AM **Lab ID:** 012206371-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	3.63	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:46



**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: 012206371  
 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: 4/20/2022 09:00 AM

Project: 22-1103 Frenchtown Elementary School

**Analytical Results**

**Client Sample Description** FE-06FD Bottle Fill Station **Collected:** 4/14/2022 9:19:00 AM **Lab ID:** 012206371-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:52

**Client Sample Description** FE-07FD Kitchen Hand Wash Sink **Collected:** 4/14/2022 9:24:00 AM **Lab ID:** 012206371-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.95	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:54

**Client Sample Description** FE-08FD Kitchen Prep Sink **Collected:** 4/14/2022 9:25:00 AM **Lab ID:** 012206371-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	7.51	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:56

**Client Sample Description** FE-09FD Kitchen Dish Washing Sink **Collected:** 4/14/2022 9:25:00 AM **Lab ID:** 012206371-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	8.58	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 15:58

**Client Sample Description** FE-10FD 2nd Floor Teacher's Lounge Sink **Collected:** 4/14/2022 9:30:00 AM **Lab ID:** 012206371-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.20	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 16:00

**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: 012206371  
 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: 4/20/2022 09:00 AM

Project: 22-1103 Frenchtown Elementary School

**Analytical Results**

**Client Sample Description** FE-11FD **Collected:** 4/14/2022 **Lab ID:** 012206371-0011  
 Bottle Fill Station Room 18 9:34:00 AM

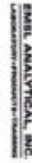
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 16:02

**Client Sample Description** FE-12FB **Collected:** 4/15/2022 **Lab ID:** 012206371-0012  
 Field Blank 9:52:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	4/26/2022 VD	4/27/2022 VD 16:04

**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



**Environmental Chemistry**  
**Chain of Custody**  
 EMSL Order Number (Lab Use Only):  
012206371

EMSL ANALYTICAL, INC.  
 200 ROUTE 130 NORTH  
 CINNAMINSON, NJ 08077  
 PHONE: (800) 220-3675  
 FAX: (856) 780-5974

Report To Contact Name: Omega Environmental Services  
 Company Name: Omega Environmental Services  
 Street: 380 Huyler Street  
 City: South Hackensack State/Province: NJ Zip/Postal Code: 07606  
 Phone: 908-489-8700 Fax: \_\_\_\_\_  
 Project Name: 22-1103 Trenton Elementary School Email Results To: lab@omega-env.com U.S. State where Samples Collected: NJ  
 Number of Samples in Shipment: 12 Date of Shipment: 4/15/20 Purchase Order: \_\_\_\_\_  
 Standard Turnaround Time:  2 Weeks The following TAT's are subject to lab approval:  1 Week  4 Days  3 Days  2 Days  1 Day  
 Failure to complete will hinder processing of samples  
 Client Sample ID Comp Grab Date/Time Matrix Preservative List Test(s) Needed Comments  
 1 FE-017D From 1 PE-24 Observed Sink 9:11 DN 2 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other See 2  
 2 FE-017D From 2 PE-24 Observed Sink 9:10 DN 2 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other See 2  
 3 FE-017D From 3 PE-24 Observed Sink 9:10 DN 2 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other See 2  
 4 FE-017D From 4 PE-24 Observed Sink 9:11 DN 2 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other See 2  
 5 FE-017D From 5 PE-24 Observed Sink 9:11 DN 2 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other See 2  
 6 FE-017D From 6 PE-24 Observed Sink 9:11 DN 2 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other See 2  
 Released By (Signature) [Signature] Date & Time 4/15/20 10:15  
 Received By [Signature] Date & Time 4/15/20 9:00  
 Instructions or Comments:  Results Only  Results and QC  Reduced Deliverables  Disk Deliverable  Other \_\_\_\_\_

*See packet etc*

