



LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: Mattie O'Brien
Frenchtown Borough School District
902 Harrison Street
Frenchtown, NJ 08825

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

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

INVESTIGATION
CONDUCTED: 4/17/17

DATE OF REPORT: 5/8/17

(Omega Project # 17-27017A)

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 Frenchtown Borough School District requested lead in water testing of potable water outlets at Frenchtown Elementary School, 902 Harrison Street, Frenchtown, NJ 08825.

Previous Testing

No information related to previous testing was available.

Recent Testing (4/17/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on April 17, 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.

All results were below the Lead and Copper action level of 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 | Room #5 | FD | 2.05 | 15 |
| 2 | Nurse's Sink | FD | 1.73 | 15 |
| 3 | Nurse's Bathroom Faucet | FD | 4.41 | 15 |
| 4 | Room #1 | FD | 1.72 | 15 |
| 5 | Water Fountain Room #1 | FD | 7.62 | 15 |
| 6 | Water Cooler at Gym | FD | ND | 15 |
| 7 | Water Cooler at Auditorium | FD | ND | 15 |
| 8 | Kitchen Sink | FD | ND | 15 |
| 9 | Water Cooler at Kitchen | FD | 1.65 | 15 |
| 10 | Food-Prep #10 | FD | 2.07 | 15 |
| 11 | Food-Prep #11 | FD | 2.81 | 15 |
| 12 | Water Cooler at Room 18 | FD | ND | 15 |
| 13 | Water Cooler at Room 20 | FD | ND | 15 |
| 14 | Faculty Room | FD | 2.87 | 15 |
| 15 | Blank | FD | ND | 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:

All lead in water results were below the EPA Lead and Copper action level of 15 ppb. No analysis was performed for copper in water.

4 RECOMMENDATIONS:

Short term:

- No further action is recommended in regards to outlet testing.

Long Term:

- 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:

**Omega Environmental Services, Inc.
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606**

5/3/2017

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/24/2017. The results are tabulated on the attached data pages for the following client designated project:

17-27017A

The reference number for these samples is EMSL Order #011703118. 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.**

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 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 011703118
 CustomerID: OMEG50
 CustomerPO:
 ProjectID:

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

Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 04/24/17 9:00 AM

Project: 17-27017A

Analytical Results

Client Sample Description 01- Rm #5- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0001

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | 2.05 | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 02- NS- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0002

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | 1.73 | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 03- Nurse BF- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0003

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | 4.41 | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 04- Rm #1- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0004

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | 1.72 | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 05- WF Rm #1- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0005

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | 7.62 | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 06- WC @ Gym- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0006

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | ND | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 07- WC @ Auditorium- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0007

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | ND | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Client Sample Description 08- KS- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0008

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|----|-------|-----------|---------|---------------|---------|
| | | | | | | | | |

**EMSL Analytical, Inc.**

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<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 011703118
 CustomerID: OMEG50
 CustomerPO:
 ProjectID:

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

Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 04/24/17 9:00 AM

Project: 17-27017A

Analytical Results

| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
|----------------------------------|------------------|-------------------|-----------------|------------------|----------------|----------------------|----------------|
| 08- KS- FD | | 4/17/2017 | 011703118-0008 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | ND | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 09- WC @ Kitchen- FD | | 4/17/2017 | 011703118-0009 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | 1.65 | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 10- FP #10- FD | | 4/17/2017 | 011703118-0010 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | 2.07 | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 11- FP #11- FD | | 4/17/2017 | 011703118-0011 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | 2.81 | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 12- WC @ 18 (Room)- FD | | 4/17/2017 | 011703118-0012 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | ND | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 13- WC @ 20(Room)- FD | | 4/17/2017 | 011703118-0013 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | ND | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 14- Faculty Rm- FD | | 4/17/2017 | 011703118-0014 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |
| 200.8 | Lead | 2.87 | 1.00 µg/L | 4/25/2017 | AE | 4/25/2017 | SM |
| <i>Client Sample Description</i> | | <i>Collected:</i> | <i>Lab ID:</i> | | | | |
| 15- Blank- FD | | 4/17/2017 | 011703118-0015 | | | | |
| <i>Method</i> | <i>Parameter</i> | <i>Result</i> | <i>RL Units</i> | <i>Prep Date</i> | <i>Analyst</i> | <i>Analysis Date</i> | <i>Analyst</i> |

**EMSL Analytical, Inc.**

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<http://www.EMSL.com>EnvChemistry2@emsl.com

EMSL Order: 011703118

CustomerID: OMEG50

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ProjectID:

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Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 04/24/17 9:00 AM

Project: 17-27017A

Analytical Results

Client Sample Description 15- Blank- FD **Collected:** 4/17/2017 **Lab ID:** 011703118-0015

| Method | Parameter | Result | RL | Units | Prep Date | Analyst | Analysis Date | Analyst |
|--------|-----------|--------|------|-------|-----------|---------|---------------|---------|
| 200.8 | Lead | ND | 1.00 | µg/L | 4/25/2017 | AE | 4/25/2017 | SM |

Definitions:

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

RL - Reporting Limit (Analytical)



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

**Environmental Chemistry
Chain of Custody**

EMSL Order Number (Lab Use Only):

011703118

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

| Report To Contact Name: Omega Environmental Services, Inc. | | Bill To Company: Omega Environmental Services, Inc. | | | | | |
|---|--------------------|---|--------------------|-------------------------|--------------|----------------|----------|
| Company Name: Omega Environmental Services, Inc. | | Attention To: Accounts Payable | | | | | |
| Street: 280 Huyler Street | | Street: 280 Huyler Street | | | | | |
| City: South Hackensack | State/Province: NJ | City: South Hackensack | State/Province: NJ | | | | |
| Phone: 201-486-8700 | Fax: 201-342-5412 | Phone: 201-489-8700 | Fax: 201-342-5412 | | | | |
| Project Name: Frenchtown Elementary 17-27017A | | Email Results To: lab@omega-env.com | | | | | |
| Number of Samples in Shipment: 15 | | Purchase Order: | | | | | |
| Standard Turnaround Time: <input checked="" type="checkbox"/> 2 Weeks | | The following TAT's are subject to lab approval: <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 4 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 1 Day | | | | | |
| Failure to complete will hinder processing of samples | | List Test(s) Needed | | | | | |
| Client Sample ID | Comp | Grab | Date/Time | Matrix | Preservative | Pb-ICPMS 200.8 | Comments |
| 01 - Rm #5 - FD | | | 4/17 1600 | DW | 2 | X | |
| 02 - NS - | | | | DW | 2 | | |
| 03 - Nurse BF - | | | | DW | 2 | | |
| 04 - Rm #21 - | | | | DW | 2 | | |
| 05 - WF Rm #21 | | | | DW | 2 | | |
| 06 - WC @ Gym | | | | DW | 2 | | |
| Released By (Signature) | | Date & Time | | Received By | | Date & Time | |
| <i>Michelle Bagnion</i> | | 4/19 9:30 | | <i>Michelle Bagnion</i> | | 4/19/17 9:30 | |
| <i>Michelle Bagnion</i> | | 4/24/17 1500 | | <i>Michelle Bagnion</i> | | 4-24-17 7:15a | |
| | | | | <i>Michelle Bagnion</i> | | 4/24/2017 9:00 | |
| Please indicate reporting requirements: <input checked="" type="checkbox"/> Results Only <input type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other | | | | | | | |
| Instructions or Comments: | | | | | | | |

1 2 3 4 5 6



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS DIVISION

**Environmental Chemistry
Chain of Custody**

EMSL Order Number (Lab Use Only):

011703118

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Client Sample ID | Comp | Grab | Failure to complete will hinder processing of samples | | Matrix | Preservative | List Test(s) Needed | | | | Comments | |
|--------------------------------|------|------|---|-------|--------|--------------|---------------------|--|--|--|----------|--|
| | | | Date/Time | | | | Pb-CPMS | | | | | |
| 07-WL@An. Laboratory - P | | | 4/17 | 11:20 | DW | 2 | | | | | | |
| 08-K S - | | | | | DW | 2 | | | | | | |
| 09 - FP WL@ Kitchen | | | | | DW | 2 | | | | | | |
| 10 - FP #10 | | | | | DW | 2 | | | | | | |
| 11 - FP #11 | | | | | DW | 2 | | | | | | |
| 12 - WL@ 18 (room) | | | | | DW | 2 | | | | | | |
| 13 - WL@ 20 (room) | | | | | DW | 2 | | | | | | |
| 14 - Faculty km - | | | | | DW | 2 | | | | | | |
| 15 - Blank - | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |
| | | | | | DW | 2 | | | | | | |

7 8 9 10 11 12 13 14 15