



# **BRANCHBURG TOWNSHIP SCHOOL DISTRICT**

***"Excellence in Education"***

240 Baird Road • Branchburg, New Jersey 08876-4200

• Tel: (908) 722-3335 F: (908) 526-6144

***Rebecca Gensel, Superintendent***

May 10, 2017

Dear Branchburg Township School District Community,

Our school system is committed to protecting student, teacher, and staff health. To this end, and following the Department of Education regulations, the Branchburg Township School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, the Branchburg Township School District will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of (15 ppb). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

## **Results of our Testing**

Following instructions given in the technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Branchburg Township School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 132 samples taken, all but 5 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15ppb).

The table below identifies the drinking water outlets that tested above the (15 ppb) for lead, the actual lead level, and what remedial action the Branchburg Township School District has taken to reduce the levels of lead at these locations.

<b>Sample Location</b>	<b>First Draw Result in (ppb)</b>	<b>Remedial Action</b>
Stony Brook School 11-WFB-2-FD Classroom faucet B-2	41.5	Outlet removed from service. Future permanent removal
Stony Brook School 06-WFB-3-FD Classroom faucet B-3	143.0	Outlet removed from service. Future permanent removal
Old York School 01-TL#1-FD Teacher lounge #1	261.0	Sink removed from service. Implemented use of teacher lounge #2. Replacing of parts/retesting.
Whiton Elementary School 01-WC@C-1-FD Hallway water fountain near C-1	26.6	Outlet removed from service. Replacement of parts/retesting
Whiton Elementary School 06-WF@ C wing girls-FD Water fountain at C-wing girls bathroom	63.5	Outlet removed from service. Replacement of parts/retesting

## Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

## How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

## Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

## For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at [www.branchburg.k12.nj.us](http://www.branchburg.k12.nj.us). For more information about water quality in our schools, contact John Hindmarch at the Buildings and Grounds Department, 908-722-3335.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead), call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,



Rebecca Gensel  
Superintendent of Schools



## **LEAD IN POTABLE WATER SCREENING REPORT**

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**INVESTIGATION FOR:** John Hindmarch  
Branchburg Board of Education  
240 Baird Road  
Branchburg, NJ 08876-4200

**SITE INVESTIGATED:** Whiton Elementary School  
220 Baird Road  
Branchburg, NJ 08876

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

**INVESTIGATION  
CONDUCTED:** 4/11/17

**DATE OF REPORT:** 5/8/17

(Omega Project # 17-27011D)

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## **EXECUTIVE SUMMARY:**

The Branchburg Board of Education requested lead in water testing of potable water outlets at Whiton Elementary School, 220 Baird Road, Branchburg, NJ 08876.

### *Previous Testing*

No information related to previous testing was available.

### *Recent Testing (4/11/17)*

In order to assess the building water outlets a full testing of all potable outlets was performed on April 11, 2017.

Reportedly the outlets were not flushed or used on the day of testing.

First draw samples were collected of 58 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:**

<b>Sample #</b>	<b>Location</b>	<b>1<sup>st</sup> draw (FD)</b>	<b>Results (ppb)</b>	<b>LCR Action Level <sup>(1)</sup> (ppb)</b>
1	Water Cooler at C-1	FD	26.6	15
2	Water fountain in C-2	FD	ND	15
3	Water Fountain in C-4	FD	ND	15
4	Water Fountain in C-5	FD	ND	15
5	Water Fountain in C-6	FD	ND	15
6	Water Fountain at C-Wing Girls	FD	63.5	15
7	Water Fountain at C-Wing Boys	FD	ND	15
8	Water Fountain in C-8	FD	ND	15
9	Water Fountain in C-10	FD	ND	15
10	Water Fountain in C-9	FD	ND	15
11	Water Fountain in C-11	FD	ND	15
12	Water Fountain in C-12	FD	ND	15
13	Water Fountain in C-13	FD	ND	15
14	Water Fountain in C-7	FD	1.00	15
15	Water Fountain in C-14	FD	ND	15
16	Water Fountain in C-16	FD	ND	15
17	Water Fountain in C-15	FD	ND	15
18	Water Fountain in C-17	FD	ND	15
19	Water Fountain in C-19	FD	ND	15
20	Water Fountain at C-19 (Left)	FD	ND	15
21	Water Fountain at C-19 (Right)	FD	ND	15
22	Water Fountain in B-19	FD	ND	15
23	N/A	FD	No Sample	15
24	Water Fountain in B-14	FD	ND	15
25	Water Fountain in B-15	FD	ND	15
26	Water Fountain in B-16	FD	ND	15
27	Water Fountain in B-17	FD	ND	15
28	Water Fountain in B-10	FD	ND	15
29	Water Fountain in B-11	FD	ND	15
30	Water Fountain in B-12	FD	ND	15
31	Water Fountain in B-13	FD	ND	15
32	Water Fountain in B-7	FD	ND	15
33	Water Fountain in B-8	FD	ND	15
34	Water Fountain in B-9	FD	ND	15
35	Water Fountain in B-4	FD	ND	15
36	Water Fountain in B-5	FD	ND	15
37	Water Fountain in B-2	FD	ND	15
38	Faculty Room	FD	ND	15
39	Water Cooler at Gym (Left)	FD	ND	15

40	Water Cooler at Gym (Right)	FD	ND	15
41	Water Cooler at Café (Left)	FD	ND	15
42	Water Cooler at Café (Right)	FD	ND	15
43	Pot Filler	FD	ND	15
44	Kitchen Faucet	FD	ND	15
45	Nurse Sink	FD	1.69	15
46	Nurse Sink (Exam Room)	FD	2.19	15
47	Water Fountain in A-2	FD	ND	15
48	Water Fountain in A-5	FD	ND	15
49	Water Fountain in A-4	FD	ND	15
50	Water Fountain in A-6	FD	ND	15
51	Water Fountain in A-8	FD	2.05	15
52	Water Fountain in A-10	FD	ND	15
53	Water Fountain in A-12	FD	ND	15
54	Water Fountain in A-15	FD	ND	15
55	Water Fountain in A-14	FD	ND	15
56	Water Fountain in A-16	FD	ND	15
57	Water Fountain in A-17	FD	1.07	15
58	Water Fountain in A-18	FD	ND	15
59	Blank	FD	ND	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

ND – None Detected

## 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 Inc., Cinnaminson, NJ for total lead in potable water analysis (method Pb-ICP/MS 200.8).

## 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**

5/3/2017

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/19/2017. The results are tabulated on the attached data pages for the following client designated project:

**17-27011D Whiton Elementary School**

The reference number for these samples is EMSL Order #011702988. 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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<http://www.EMSL.com>[EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011702988

CustomerID: OMEG50

CustomerPO:

ProjectID:

Attn: **Michael Levay**  
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**280 Huyler Street**  
**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 01-WC @C-1-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	26.6	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 02-WF in C 2-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 03-WF C4-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 04-WF C5-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 05-WF C6-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 06- WF @ C Wing Girls-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	63.5	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 07-WF @ C-Wing Boys-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 08-WF C-8-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 08-WF C-8-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 09-WF C-10-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 10-WF C-9-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 11-WF C-11-F **Collected:** 4/11/2017 **Lab ID:** 011702988-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 12-WF C-12-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0012

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 13-WF C-13-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 14-WF C-7-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0014

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.00	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 15-WF C-14-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 15-WF C-14-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 16-WF C-16-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0016

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/2017	EG	5/1/2017	EG

**Client Sample Description** 17-WF C-15-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0017

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 18-WF C-17-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0018

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 19-WF C-19-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0019

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 20-WF @ C-19 (L)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0020

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 21-WF @ C-19 (R)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0021

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 22-WF B-19-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0022

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 22-WF B-19-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0022

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 25-WF B-15-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0024

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 26-WF B-16-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0025

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 27-WF B-17-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0026

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 28-WF B-10-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0027

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 29-WF B-11-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0028

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 30-WF B-12-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0029

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 31-WF B-13-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0030

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 31-WF B-13-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0030

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 32-WF B-7-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0031

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 33-WF B-8-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0032

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 34-WF B-9-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0033

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 35-WF B-4-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0034

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 36-WF B-5-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0035

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 37-WF B-2-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0036

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 38-Faculty Rm-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0037

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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**EMSL Analytical, Inc.**

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EMSL Order: 011702988

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: 04/19/17 9:00 AM

Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 38-Faculty Rm-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0037

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 39-WC @ Gym (L)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0038

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 40-WC @Gym (R)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0039

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 41-WC @ Cafe (L)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0040

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 42-WC @ Cafe (R)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0041

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 43-Pot Filler- FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0042

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 44-KF-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0043

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 45-NS-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0044

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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EMSL Order: 011702988

CustomerID: OMEG50

CustomerPO:

ProjectID:

Attn: **Michael Levay**  
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**280 Huyler Street**  
**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 45-NS-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0044

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.69	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 46-NS (Exam Rm)-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0045

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.19	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 47-WF-A-2-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0046

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 48-WF A-5-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0047

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 49-WF A-4-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0048

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 50-WF A-6-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0049

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 51-WF A-8-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0050

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.05	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 52-WF A-10-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0051

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 52-WF A-10-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0051

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 53-WF A-12-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0052

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 54-WF A-15-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0053

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 55-WF A-14-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0054

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 56-WF A-16-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0055

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 57-WF A-17-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0056

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.07	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 58-WF A-18-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0057

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2017	AE	5/1/2017	EG

**Client Sample Description** 59-Blank-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0058

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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EMSL Order: 011702988

CustomerID: OMEG50

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**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
Fax: (201) 489-8797  
Received: 04/19/17 9:00 AM

Project: 17-27011D Whiton Elementary School

**Analytical Results**

**Client Sample Description** 59-Blank-FD **Collected:** 4/11/2017 **Lab ID:** 011702988-0058

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/2/2017	EG	5/2/2017	EG

**Client Sample Description** 24 **Collected:** 4/11/2017 **Lab ID:** 011702988-0059

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/2/2017	EG	5/2/2017	EG

**Definitions:**

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

RL - Reporting Limit (Analytical)



# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS - TRAINING

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

011702988

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: Whiton Elementary School 17-27011D				Email Results To: lab@omega-env.com			
Number of Samples in Shipment: 58				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"/> 4 Days <input type="checkbox"/> 3 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	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	Comments
01-WL@C-1-FD			4/11 9:00	DW	2	X	
02-WF in C2-FD			4/11 9:00	DW	2	X	
03-WF C4-FD			4/11 9:00	DW	2	X	
04-WF C5-FD			4/11 9:00	DW	2	X	
05-WF C6-FD			4/11 9:00	DW	2	X	
06-WF@W3@C15-FD			4/11 9:00	DW	2	X	
Released By (Signature)				Received By		Date & Time	
[Signature]				[Signature]		4/12/17 1140	
[Signature]				[Signature]		4/19/2017 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:							

Page 1 of 5 pages \* did not receive sample 23  
MGRS 4/19/2017

\* Run sample 24 per the client  
- MGRS # 5/1/2017  
MGRS 5/1/2017



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS - TRAINING

# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011702988

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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	Date/Time	Matrix W=Water S=Soil A=Air SL=Sludge O=Other	Preservative: 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	P 100 b C P M S	List Test(s) Needed										Comments	
07-WFAL-Wing 603-FD			5/11 9:06	DW	2	X												7
08-WF C-8-FD				DW	2	X												8
09-WF C-10-FD				DW	2	X												9
10-WF C-9-FD				DW	2	X												10
11-WF C-11-FD				DW	2	X												11
12-WF C-12-FD				DW	2	X												12
13-WF C-13-FD				DW	2	X												13
14-WF C-7-FD				DW	2	X												14
15-WF C-14-FD				DW	2	X												15
16-WF C-16-FD				DW	2	X												16
17-WF C-15-FD				DW	2	X												17
18-WF C-17-FD				DW	2	X												18
19-WF C-19-FD				DW	2	X												19
20-WF C-19-FD				DW	2	X												20
21-WF C-19-FD				DW	2	X												21
22-WF B-19-FD				DW	2	X												22
23-WF B-14-FD				DW	2	X												23



# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

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FAX: (856) 786-5974

011702988

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

Client Sample ID	Comp	Grab	Date/Time	Matrix W=Water S=Soil A=Air SL=Sludge O=Other	Preservative 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	List Test(s) Needed										Comments	
						Pb-ICP/MS 200.8											
25-WF B-15-FD			2/11 9:00	DW	2	X											24
26-WF B-16-FD				DW	2	X											25
27-WF B-17-FD				DW	2	X											26
28-WF B-10-FD				DW	2	X											27
29-WF B-11-FD				DW	2	X											28
30-WF B-12-FD				DW	2	X											29
31-WF B-13-FD				DW	2	X											30
32-WF B-7-FD				DW	2	X											31
33-WF B-8-FD				DW	2	X											32
34-WF B-9-FD				DW	2	X											33
35-WF B-4-FD				DW	2	X											34
36-WF B-5-FD				DW	2	X											35
37-WF B-2-FD				DW	2	X											36
38-Facility B-2-FD				DW	2	X											37
39-WF B-6-FD				DW	2	X											38
40-WF B-1-FD				DW	2	X											39
41-WF B-1-FD				DW	2	X											40



# Environmental Chemistry Chain of Custody

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EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

011702988

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

Client Sample ID	Comp	Grab	Date/Time	Matrix	Preservative	P-ICP/MS 200.8	List Test(s) Needed					Comments
				W=Water S=Soil A=Air SL=Sludge O=Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other							
42-WC @ Café (R) -FD			4/11 9:00	DW	2	X						41
43-Bot Filler -FD				DW	2	X						42
44-KF -FD				DW	2	X						43
45-NS -FD				DW	2	X						44
46-US (Exen Rm) FD				DW	2	X						45
47-WF A-2 -FD				DW	2	X						46
48-WF A-5 -FD				DW	2	X						47
49-WF A-4 -FD				DW	2	X						48
50-WF A-6 -FD				DW	2	X						49
51-WF A-8 -FD				DW	2	X						50
52-WF A-10 -FD				DW	2	X						51
53-WF A-12 -FD				DW	2	X						52
54-WF A-15 -FD				DW	2	X						53
55-WF A-14 -FD				DW	2	X						54
56-WF A-16 -FD				DW	2	X						55
57-WF A-17 -FD				DW	2	X						56
58-WF A-18 -FD				DW	2	X						57

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

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880202110

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

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## **LEAD IN POTABLE WATER SCREENING REPORT**

---

**INVESTIGATION FOR:** John Hindmarch  
Branchburg Board of Education  
240 Baird Road  
Branchburg, NJ 08876-4200

**SITE INVESTIGATED:** Stony Brook School  
136 Cedar Grove Road  
Branchburg, NJ 08876

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

**INVESTIGATION  
CONDUCTED:** 4/11/17

**DATE OF REPORT:** 5/1/17

(Omega Project # 17-27011B)

## **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 Branchburg Board of Education requested lead in water testing of potable water outlets at Stony Brook School, 136 Cedar Grove Road, Branchburg, NJ 08876.

### *Previous Testing*

No information related to previous testing was available.

### *Recent Testing (4/11/17)*

In order to assess the building water outlets a full testing of all potable outlets was performed on April 11, 2017.

Reportedly the outlets were not flushed or used on the day of testing.

First draw samples were collected of 20 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 <sup>st</sup> draw (FD)	Results (ppb)	LCR Action Level <sup>(1)</sup> (ppb)
1	Water Cooler #3	FD	ND	15
2	Teacher's Lounge #2	FD	2.46	15
3	Water Fountain B-8	FD	7.77	15
4	Water Fountain B-5	FD	3.90	15
5	Water Fountain B-4	FD	3.58	15
6	Water Fountain B-3	FD	143	15
7	Nurse's Sink	FD	1.16	15
8	Nurse's Bathroom Faucet	FD	ND	15
9	Water Fountain (DW) #7	FD	1.98	15
10	Water Fountain (DW) #8	FD	5.04	15
11	Water Fountain B-2	FD	41.5	15
12	Teacher's Lounge #1	FD	ND	15
13	Pot Filler	FD	1.34	15
14	Kitchen Faucet	FD	1.04	15
15	Water Cooler at Gym (Left)	FD	ND	15
16	Water Cooler at Gym (Right)	FD	ND	15
17	Water Fountain (DW) #1	FD	11.0	15
18	Water Fountain (DW) #2	FD	6.02	15
19	Water Fountain (DW) #3	FD	11.7	15
20	Water Fountain (DW) #4	FD	3.08	15
21	Water Fountain (DW) #5	FD	8.81	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

ND – None Detected

## 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 Inc., Cinnaminson, NJ for total lead in potable water analysis (method Pb-ICP/MS 200.8).

### **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.**

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

4/28/2017

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/19/2017. The results are tabulated on the attached data pages for the following client designated project:

**17-27011B Sonty Brook School**

The reference number for these samples is EMSL Order #011702969. 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.

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EMSL Order: 011702969

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ProjectID:

Attn: **Michael Levay**  
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**280 Huyler Street**  
**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011B Sonty Brook School

**Analytical Results**

**Client Sample Description** 01-WC #3-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 02-TL #2-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.46	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 03-WF B-8-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	7.77	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 04-WF B-5-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.90	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 05-WF B-4-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.58	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 06-WF B-3-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	143	5.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 07-NS-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.16	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 08-Nurse BE-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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**EMSL Analytical, Inc.**

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EMSL Order: 011702969

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: 04/19/17 9:00 AM

Project: 17-27011B Sonty Brook School

**Analytical Results**

**Client Sample Description** 08-Nurse BE-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 09-DW #7-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.98	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 10-DW #8-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.04	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 11-WF B-2-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	41.5	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 12-TL #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0012

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 13-Pot Filler-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.34	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 14-KF-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0014

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.04	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 15-WC @ Gym (L)-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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EMSL Order: 011702969

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Attn: **Michael Levay**  
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**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011B Sonty Brook School

**Analytical Results**

**Client Sample Description** 15-WC @ Gym (L)-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 16-WC @ Gym (R)-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0016

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 17-DW #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0017

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	11.0	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 18-DW#2-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0018

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	6.02	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 19-DW#3-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0019

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	11.7	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 20-DW#4-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0020

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.08	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**Client Sample Description** 21-DW #5-FD **Collected:** 4/11/2017 **Lab ID:** 011702969-0021

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	8.81	1.00	µg/L	4/20/2017	AE	4/21/2017	EG

**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):

011702969

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: Stony Brook School 17-27011B				Email Results To: lab@omega-env.com			
Number of Samples in Shipment: 20				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	200.8 Pb-ICP/MS	Comments
01-WC-#3-FD			4/11 2:20	DW	2	X	
02-TL-#2-FD				DW	2	X	
03-WF-B-8-FD				DW	2	X	
04-WF-B-5-FD				DW	2	X	
05-WF-B-4-FD				DW	2	X	
06-WF-B-3-FD				DW	2	X	
Released By (Signature)				Date & Time		Received By	
[Signature]				4/12 11:40		[Signature]	
[Signature]				4/18/17 1422		[Signature]	
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:							



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRADING

## Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011702969

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	Date/Time	Matrix W=Water S=Soil A=Air SL=Sludge O= Other	Preservative 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	Pb-ICP/MS 200.8	List Test(s) Needed					Comments	
07-NS-FD			7/11 12:30	DW	2	X							7
08-NW2 B EFD				DW	2	X							8
09-DW #7-FD				DW	2	X							9
10-DW #8-FD				DW	2	X							10
11-WF B-2-FD				DW	2	X							11
12-TL #1-FD				DW	2	X							12
13-Pot Filler-FD				DW	2	X							13
14-KF-FD				DW	2	X							14
15-WC@Gym (4) FD				DW	2	X							15
16-↓ (R) FD				DW	2	X							16
17-DW #1-FD				DW	2	X							17
18-DW #2-FD				DW	2	X							18
19-DW #3-FD				DW	2	X							19
20-DW #4-FD				DW	2	X							20
21-DW #5-FD				DW	2	X							21
22-DW #6-FD													



## **LEAD IN POTABLE WATER SCREENING REPORT**

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**INVESTIGATION FOR:** John Hindmarch  
Branchburg Board of Education  
240 Baird Road  
Branchburg, NJ 08876-4200

**SITE INVESTIGATED:** Central Middle School  
220 Baird Road  
Branchburg, NJ 08876

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

**INVESTIGATION  
CONDUCTED:** 4/11/17

**DATE OF REPORT:** 5/1/17

(Omega Project # 17-27011C)

## **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 Branchburg Board of Education requested lead in water testing of potable water outlets at Central Middle School, 220 Baird Road, Branchburg, NJ 08876.

### *Previous Testing*

No information related to previous testing was available.

### *Recent Testing (4/11/17)*

In order to assess the building water outlets a full testing of all potable outlets was performed on April 11, 2017.

Reportedly the outlets were not flushed or used on the day of testing.

First draw samples were collected of 36 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 <sup>st</sup> draw (FD)	Results (ppb)	LCR Action Level <sup>(1)</sup> (ppb)
1	Teacher's Lounge #2	FD	ND	15
2	Water Cooler #8	FD	ND	15
3	Nurse's Sink	FD	1.16	15
4	Nurse's Exam Room	FD	2.14	15
5	Science Prep #2	FD	ND	15
6	Water Fountain at Gym (Left)	FD	ND	15
7	Water Cooler #6	FD	ND	15
8	Water Cooler #7	FD	ND	15
9	Science Prep #3	FD	ND	15
10	Science Prep #1	FD	3.50	15
11	Water Fountain #8	FD	13.0	15
12	Water Fountain #9	FD	6.87	15
13	Water Cooler #4	FD	ND	15
14	Water Cooler #5	FD	ND	15
15	Teacher's Lounge #1	FD	ND	15
16	Water Fountain #5	FD	1.48	15
17	Water Fountain #6	FD	1.28	15
18	Water Fountain #7	FD	ND	15
19	202A Sink	FD	ND	15
20	Water Fountain #1	FD	ND	15
21	Water Fountain #4	FD	ND	15
22	Water Fountain #2	FD	1.52	15
23	Water Cooler #2	FD	ND	15
24	Water Cooler #3	FD	ND	15
25	Teacher's Lounge #3	FD	ND	15
26	Kitchen Sink #1	FD	1.23	15
27	Kitchen Sink #2	FD	ND	15
28	Kitchen Sink #3	FD	1.28	15
29	Kitchen Sink #4	FD	ND	15
30	Ice Machine #1	FD	ND	15
31	Pot Filler	FD	10.6	15
32	Blank	FD	ND	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

ND – None Detected



## **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 Inc., Cinnaminson, NJ for total lead in potable water analysis (method Pb-ICP/MS 200.8).

## **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.**

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Attn:

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

4/28/2017

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/19/2017. The results are tabulated on the attached data pages for the following client designated project:

**17-27011C Central Middle School**

The reference number for these samples is EMSL Order #011702982. 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.

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EMSL Order: 011702982

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CustomerPO:

ProjectID:

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 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011C Central Middle School

**Analytical Results**

**Client Sample Description** 01-TL #2-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 02-WC #8-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 03-NS-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.16	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 04-NS (ExamRm)-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.14	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 05- Sci. Prep #2- FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 06-WF @ Gym (L)-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 07-WC #6-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 08-WC #7-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011C Central Middle School

**Analytical Results**

**Client Sample Description** 08-WC #7-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 09-Sci. Prep #3-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 10-Sci. Prep #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.50	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 11-DW #8-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	13.0	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 12-DW #9-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0012

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	6.87	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 13-WC #4-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 14-WC #5-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0014

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 15-TL #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011C Central Middle School

**Analytical Results**

**Client Sample Description** 15-TL #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 16-DW #5-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0016

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.48	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 17-DW #6-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0017

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.28	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 18-DW #7-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0018

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 19-202A Sink-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0019

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 20-DW #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0020

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 21-DW #4-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0021

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 22-DW #2-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0022

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
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**South Hackensack, NJ 07606**

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 04/19/17 9:00 AM

Project: 17-27011C Central Middle School

**Analytical Results**

**Client Sample Description** 22-DW #2-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0022

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.52	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 23-WC #2-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0023

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 24-WC #3-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0024

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 25- TL#3-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0025

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 26-KC #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0026

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.23	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 27-KC #2-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0027

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 28-KC #3-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0028

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.28	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 29-KC #4-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0029

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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011702982

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: 04/19/17 9:00 AM

Project: 17-27011C Central Middle School

**Analytical Results**

**Client Sample Description** 29-KC #4-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0029

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 30-IM #1-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0030

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 31-Pot Filler-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0031

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	10.6	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Client Sample Description** 32-Blank-FD **Collected:** 4/11/2017 **Lab ID:** 011702982-0032

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2017	AE	4/24/2017	KB

**Definitions:**

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

RL - Reporting Limit (Analytical)





EMSL ANALYTICAL, INC.  
LABORATORY PRODUCT TRAINING

# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011702982

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: Central Middle School 17-27011C				Email Results To: lab@omega-env.com			
Number of Samples in Shipment: 32				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"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 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-IC/MS 200.8	Comments
01- <del>TL</del> #2-FD			4/11 11:00	DW	2	X	
02-WC#8-FD				DW	2	X	
03-NS-FD				DW	2	X	
04-NS(Exh.R)FD				DW	2	X	
05-Exh.R #2-FD				DW	2	X	
06-WF@Gym(L)FD				DW	2	X	
Released By (Signature)				Date & Time		Received By	
Huyler Brown				4/12 11:40		20.4	
Huyler Brown				4/18/17 1422		4/19/2017 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:							



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

## Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011702982

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	Date/Time	Matrix	Preservative	List Test(s) Needed					Comments	
						Pb	Cd	Cr	MS	200.8		
07-WC #6 - FD			4/11 11:00	DW	2	X						7
08-WC #7 - FD				DW	2	X						8
09-SL Prep #3 - FD				DW	2	X						9
10-SL Prep #1 - FD				DW	2	X						10
11-DW #8 - FD				DW	2	X						11
12-DW #9 - FD				DW	2	X						12
13-WC #4 - FD				DW	2	X						13
14-WC #5 - FD				DW	2	X						14
15-TL #1 FD				DW	2	X						15
16-DW #5 - FD				DW	2	X						16
17-DW #6 - FD				DW	2	X						17
18-DW #7 - FD				DW	2	X						18
19-202A Smk - FD				DW	2	X						19
20-DW #3 - FD				DW	2	X						20
21-DW #4 - FD				DW	2	X						21
22-DW #2 - FD				DW	2	X						22
23-WC #2 - FD				DW	2	X						23

# Environmental Chemistry Chain of Custody

**EMSI Order Number (Lab Use Only):**

011702982



**EMSL ANALYTICAL, INC.**  
200 S. HIGHWAY 100, SUITE 100, TOLSON, MD 21158

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

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