

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.

Sample Location	First Draw Result in (ppb)	Remedial Action
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 <u>www.branchburg.k12.nj.us</u>. 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**, 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

Rebecca Gensel V Superintendent of Schools



LEAD IN POTABLE WATER SCREENING REPORT

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:

Sample #	Location	1 st draw (FD)	Results (ppb)	LCR Action Level ⁽¹⁾ (ppb)
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

Page 4 of 7: Lead in Water Testing Report, {Omega Project#: 17-27011D}

Omega Environmental Services, Inc. 280 Huyler Street - South Hackensack, NJ 07606 - Tel: (201) 489-8700 - Fax: (201)342-5412

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

⁽¹⁾ EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.

FD – First Draw Sample

FL – Flush Sample (30 sec)

NA – Not Analyzed

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 (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 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



5/3/2017

Michael Levay Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606 Phone: (201) 489-8700

Fax: (201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/19/2017. 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.

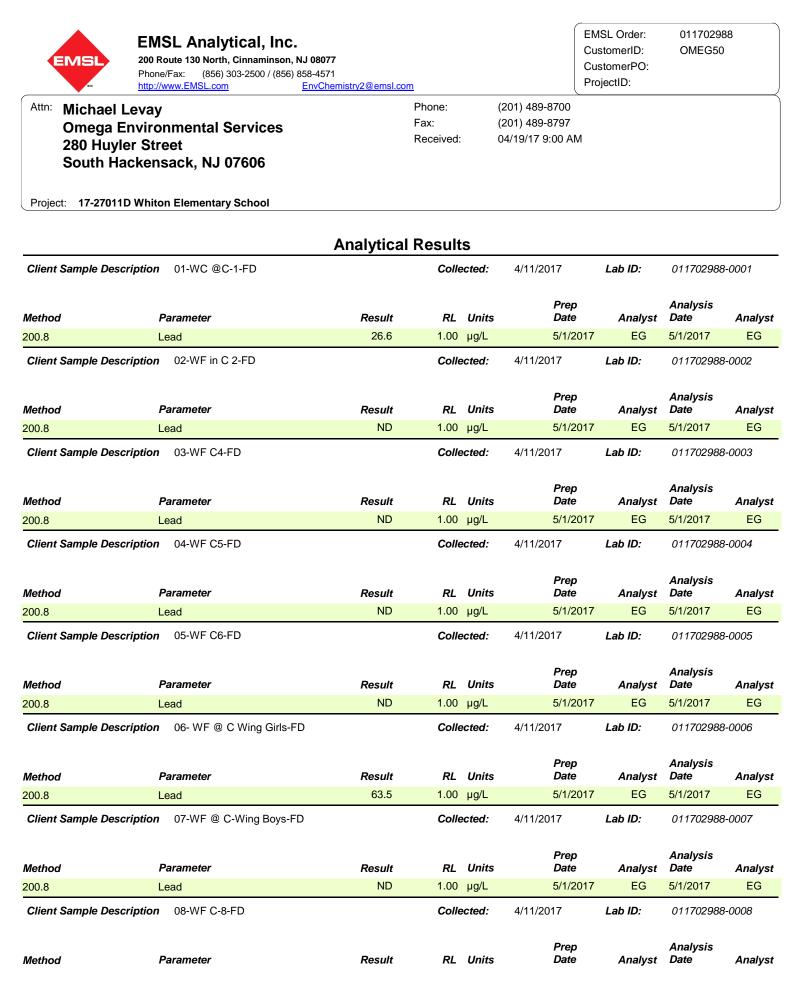
Approved By:

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.

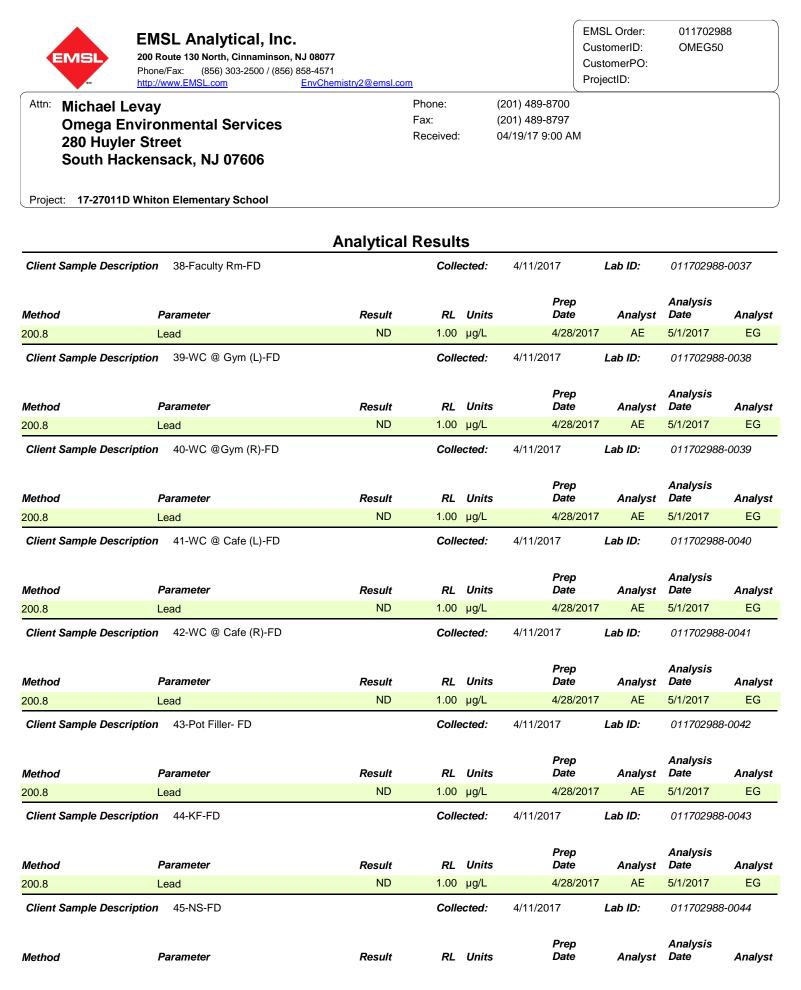


EN	1SL 200 Phor	ISL Analytical, Inc. Route 130 North, Cinnaminson, NJ 080 ne/Fax: (856) 303-2500 / (856) 858-45 //www.EMSL.com EnvC		<u>m</u>			EMSL Order: CustomerID: CustomerPO: ProjectID:	0117029 OMEG50	
01 28 Sc	30 Huyler St outh Hacker	onmental Services		Phone: Fax: Received:		(201) 489-8700 (201) 489-8797 04/19/17 9:00 AM	Λ		
			Analytical	l Result	S				
Client Sar	mple Descriptior	08-WF C-8-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0008
Method		Parameter	Result		Units		Analyst		Analyst
200.8		Lead	ND	1.00	µg/L	5/1/20	017 EG	5/1/2017	EG
Client Sar	mple Descriptior	09-WF C-10-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0009
Method		Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8		Lead	ND	1.00	µg/L	5/1/20	-	5/1/2017	EG
Client Sar	mple Descriptior	10-WF C-9-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	3-0010
Method		Parameter	Result	RI	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8		Lead	ND		µg/L	5/1/20	-	5/1/2017	EG
Client Sar	mple Descriptior	11 WF C-11-F			ected:	4/11/2017	Lab ID:	01170298	8-0011
Method		Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8		Lead	ND	1.00	µg/L	5/1/20	017 EG	5/1/2017	EG
Client Sar	mple Descriptior	12-WF C-12-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0012
Method		Parameter	Result	Ы	Units	Prep Date		Analysis Date	Analyst
200.8		Lead	ND		µg/L	5/1/20	-	5/1/2017	Analyst EG
	mple Descriptior				ected:	4/11/2017	Lab ID:	01170298	
Method		Parameter	Result	RL	Units	Prep Date		Analysis Date	Analyst
200.8		Lead	ND	1.00	µg/L	5/1/20	017 EG	5/1/2017	EG
Client Sar	mple Descriptior	14-WF C-7-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0014
Method		Parameter	Result	DI	Units	Prep Date		Analysis Date	Analyst
200.8		Lead	1.00		µg/L	5/1/20		5/1/2017	EG
	mple Descriptior				ected:	4/11/2017	Lab ID:	01170298	
Method		Parameter	Result	RL	Units	Prep Date		Analysis Date	Analyst

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Client Sample Descri	ption 15-WF C-14-FD	Analytical		S ected:	4/11/2017	Lab ID:	01170298	8-0015
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis t Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/20	017 EG	5/1/2017	EG
Client Sample Descri	<i>ption</i> 16-WF C-16-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0016
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis t Date	Analyst
200.8	Lead	ND	1.00	µg/L	5/1/20	-	5/1/2017	EG
Client Sample Descri	ption 17-WF C-15-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0017
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200.8	Lead	ND	1.00	µg/L	4/28/2	-	5/1/2017	EG
Client Sample Descri	<i>ption</i> 18-WF C-17-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0018
Method	Parameter	Result	RI	Units	Prep Date	Analys	Analysis t Date	Analyst
200.8	Lead	ND		µg/L	4/28/2	-		EG
Client Sample Descri				ected:	4/11/2017	Lab ID:	01170298	
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis t Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Descri	ption 20-WF @ C-19 (L)-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0020
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis t Date	Analyst
200.8	Lead	ND		µg/L	4/28/2	-	5/1/2017	EG
Client Sample Descri	ption 21-WF @ C-19 (R)-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0021
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis t Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Descri	<i>ption</i> 22-WF B-19-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0022
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis t Date	Analyst

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Client Sample Desc	cription 22-WF B-19-FD	, mary nour		ected:	4/11/2017	Lab ID:	01170298	8-0022
Method	Parameter	Result		Units		Analyst		Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Desc	cription 25-WF B-15-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0024
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200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Desc	cription 26-WF B-16-FD		Colle	ected:	4/11/2017 Prep	Lab ID:	01170298 Analysis	8-0025
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200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Desc	cription 27-WF B-17-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0026
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200.8	Lead	ND		µg/L	4/28/2	-		EG
Client Sample Desc	cription 28-WF B-10-FD			ected:	4/11/2017	Lab ID:	01170298	8-0027
Method	Parameter	Result	PI	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND		µg/L	4/28/2	-	5/1/2017	EG
Client Sample Desc				ected:	4/11/2017	Lab ID:	01170298	<u> </u>
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Desc	cription 30-WF B-12-FD		Colle	ected:	4/11/2017	Lab ID:	01170298	8-0029
Method	Parameter	Result	RI	Units	Prep Date	Analyst	Analysis Date	Analyst
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Client Sample Desc				ected:	4/11/2017	Lab ID:	01170298	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst

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		Analytical							
Client Sample Description	on 31-WF B-13-FD		Colle	cted:	4/11/2017 Prep		Lab ID:	011702988 Analysis	3-0030
Method	Parameter	Result		Units			Analyst	•	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017	AE	5/1/2017	EG
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Client Sample Description	on 35-WF B-4-FD		Colle	cted:	4/11/2017	I	Lab ID:	011702988	3-0034
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Client Sample Description	on 37-WF B-2-FD		Colle	cted:	4/11/2017	I	Lab ID:	011702988	3-0036
Method	Parameter	Result	DI	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND		µg/L	4/28/2		Allayst	5/1/2017	EG
Client Sample Description				cted:	4/11/2017		Lab ID:	011702988	
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst



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Client Sample Desc	ription 45-NS-FD			cted:	4/11/2017	Lab ID:	01170298	8-0044
Method	Parameter	Result		Units		Analyst		Analyst
200.8	Lead	1.69	1.00		4/28/2	2017 AE Lab ID:	5/1/2017	EG
Client Sample Desc		Decuti		cted:	Prep		01170298 Analysis	
<i>Method</i> 200.8	Parameter Lead	Result 2.19	RL 1.00	Units	Date	Analyst 2017 AE	Date 5/1/2017	Analyst EG
Client Sample Desc				cted:	4/11/2017	Lab ID:	01170298	8-0046
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
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Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Desc	ription 49-WF A-4-FD		Colle	cted:	4/11/2017	Lab ID:	01170298	8-0048
Method	Parameter	Result	RI	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00		4/28/2	-	5/1/2017	EG
Client Sample Desc				cted:	4/11/2017	Lab ID:	01170298	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/28/2	2017 AE	5/1/2017	EG
Client Sample Desc	ription 51-WF A-8-FD		Colle	cted:	4/11/2017	Lab ID:	01170298	8-0050
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.05	1.00		4/28/2	-	5/1/2017	EG
Client Sample Desc	ription 52-WF A-10-FD			cted:	4/11/2017	Lab ID:	01170298	8-0051
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst

Attn: Mic	SL 200 I Phor			<u>n</u> Phone:		(201) 489-8700	Custo	. Order: merID: merPO: ctID:	0117029 OMEG50	
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			Analytical							
Client Sam	ple Description	52-WF A-10-FD		Colle	ected:	4/11/2017		ab ID:	011702988	3-0051
Method		Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
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Method		Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8		Lead	ND	1.00	µg/L	4/28/2	2017	AE	5/1/2017	EG
Client Sam	ple Description	54-WF A-15-FD		Colle	ected:	4/11/2017 Prep	L	ab ID:	011702988 Analysis	3-0053
Method		Parameter	Result		Units	Date		Analyst	Date	Analyst
200.8		Lead	ND	1.00	µg/L	4/28/2	2017	AE	5/1/2017	EG
Client Sam	ple Description	55-WF A-14-FD		Colle	ected:	4/11/2017	L	ab ID:	011702988	3-0054
Method		Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8		Lead	ND		µg/L	4/28/2	2017	AE	5/1/2017	EG
	ple Description	56-WF A-16-FD			ected:	4/11/2017	L	ab ID:	011702988	3-0055
Method		Parameter	Result	RI	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8		Lead	ND		µg/L	4/28/2	2017	AE	5/1/2017	EG
		57-WF A-17-FD			ected:	4/11/2017		ab ID:	011702988	
Method		Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8		Lead	1.07	1.00	µg/L	4/28/2	2017	AE	5/1/2017	EG
Client Sam	ple Description	58-WF A-18-FD		Colle	ected:	4/11/2017	L	ab ID:	011702988	3-0057
Method		Parameter	Result	RI	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8		Lead	ND		µg/L	4/28/2	2017	AE	5/1/2017	EG
	ple Description				ected:	4/11/2017		ab ID:	011702988	
Method		Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst

E	MSL	EMSL Analytical, Inc 200 Route 130 North, Cinnaminsor Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	n, NJ 08077	<u>n</u>		EMSL Order: CustomerID: CustomerPO: ProjectID:	011702988 OMEG50
	280 Huyle	vironmental Services		Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 04/19/17 9:00 Al	М	
Project	17-27011D	Whiton Elementary School					

		Analytical F	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 D	Description 24		Collected:	4/11/2017	Lab ID:	011702988	3-0059
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)

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	EMBL ANALYTICAL, INC. LADIATORY-HOUCTE-TRANSIO			-1	011	326204					FAX: (856) 786-5974	86-5974	11702
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43-PotFiller -FD			Ma	2	×			
a4= KF -FD			MD	2	×			
07-2N-3U			DW	2	×			
46-NS (Eren Rm) FU			MQ ·	2	X			
47-WFA-2-FD			DW	2	×			
48-WF #5-FI)			DW	2	×			
49-WFA-4-FD			DW	2	×			
52 WEA6-PD			MQ	2	×			
51-WFA-8-PD			DW	2	×			
52-6412-A-10-FO			DW	2	×			
53- WF A-12-FD			DW	5.	×			
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65-WF A-4-ED			MQ	2	×			
56- WF A-16-FD			DW	2	×			
57- WE A-17 FD			MO	2	×			
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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 st draw (FD)	Results (ppb)	LCR Action Level ⁽¹⁾ (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

⁽¹⁾ EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.

FD – First Draw Sample

FL - Flush Sample (30 sec)

NA – Not Analyzed

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 ( $HNO_3$ ) 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



#### 4/28/2017

## Michael Levay Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606 Phone: (201) 489-8700

Fax: (201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/19/2017. 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:

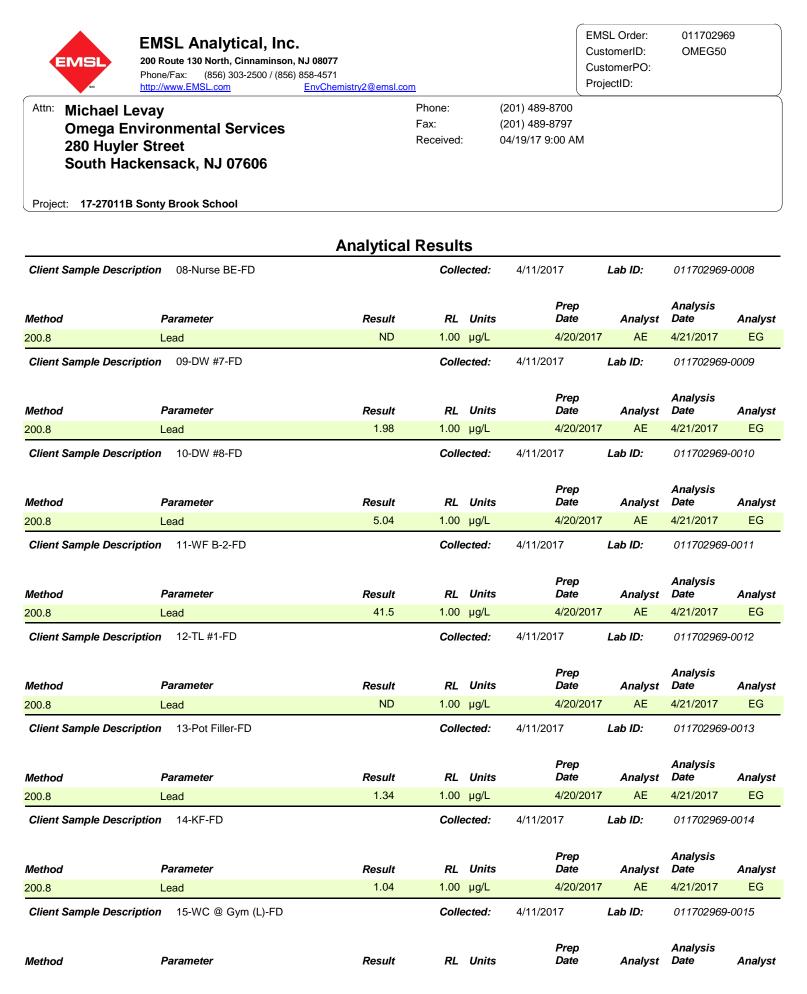
Phillip Worby, Environmental Chemistry Laboratory Director

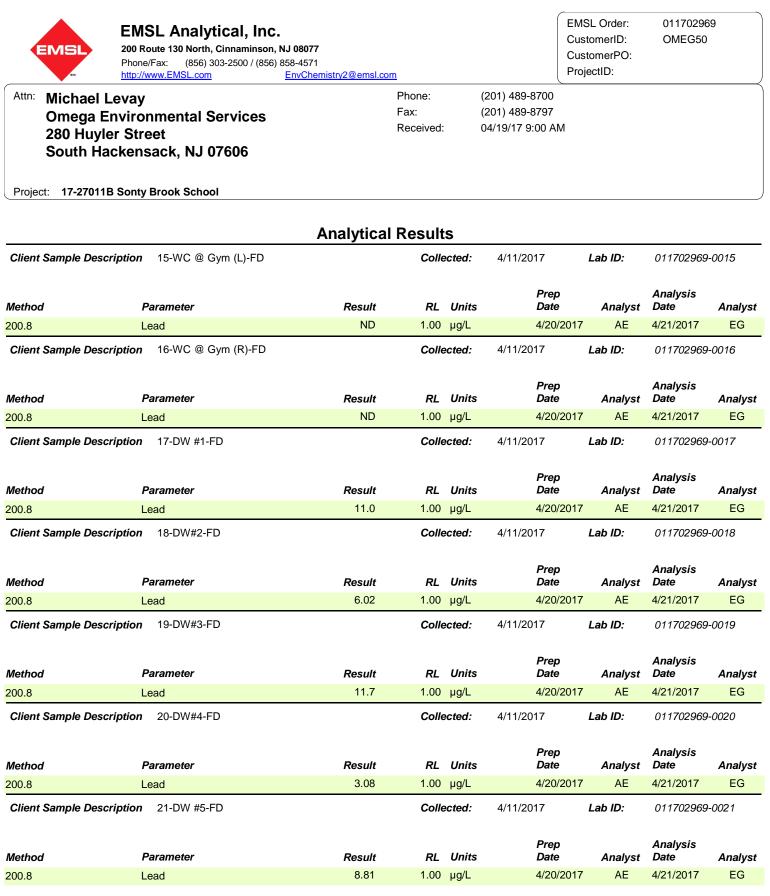


The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

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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200.8	Lead	2.46	1.00 µ		4/20/2	2017	AE	4/21/2017	EG
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Method	Parameter	Result	RL U	Inits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	7.77	1.00 µ	g/L	4/20/2	2017	AE	4/21/2017	EG
Client Sample Des	cription 04-WF B-5-FD		Collect	ed:	4/11/2017	I	Lab ID:	011702969	9-0004
Method	Parameter	Result	RL U	Inits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	3.90	1.00 µ	g/L	4/20/2	2017	AE	4/21/2017	EG
Client Sample Des	cription 05-WF B-4-FD		Collect	ed:	4/11/2017	I	Lab ID:	011702969	9-0005
Method	Parameter	Result	RL U	Inits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	3.58	1.00 µ	g/L	4/20/2	2017	AE	4/21/2017	EG
Client Sample Des	cription 06-WF B-3-FD		Collect	ed:	4/11/2017	I	Lab ID:	011702969	9-0006
Method	Parameter	Result	RL U	Inits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	143	5.00 µ	g/L	4/20/2	2017	AE	4/21/2017	EG
Client Sample Des	cription 07-NS-FD		Collect	ed:	4/11/2017	I	Lab ID:	011702969	9-0007
Method	Parameter	Result	RL U		Prep Date		Analyst		Analyst
200.8	Lead	1.16	1.00 µ	g/L	4/20/2	2017	AE	4/21/2017	EG
Client Sample Des	cription 08-Nurse BE-FD		Collect	ed:	4/11/2017	I	Lab ID:	011702969	9-0008
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#### **Definitions:**

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

RL - Reporting Limit (Analytical)

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Project Name: Stony Brook School		17-27011B		Email Results To: lab@omega-env.com	: lab@ome	ja-env.com	U.S. Sta	te where Samp	U.S. State where Samples Collected: NJ	Т
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Failure to complete will hinder processing of samples	essing of	samples	Matrix	Preservative		List To	List Test(s) Needed		_	
Client Sample ID Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	200.8 Pb-ICP/MS		-		Comments	
01-WC#2-FJ		4/11 (2:70	MD	2	×					
02-71+42-FD			MQ	2	×					<u>ہ</u>
03-WF B-8-FD			DW	2	×					~
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05-WFB-4-FD			DW	2	×					<u>م</u>
16-WF BZ-FD		V V	DW	2	×					<u>ہ</u>
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# **Environmental Chemistry** Chain of Custody

EMSL Order Number (Lab Use Only):

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OrderID: 011702969

PHONE: (800) 220-3675 FAX: (856) 786-5974

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

of 2 pages Page__

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Page 2 Of 2



### LEAD IN POTABLE WATER SCREENING REPORT

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 st draw (FD)	Results (ppb)	LCR Action Level ⁽¹⁾ (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

⁽¹⁾ EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.

FD – First Draw Sample

FL – Flush Sample (30 sec)

NA – Not Analyzed

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 (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 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



4/28/2017

#### Michael Levay Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606 Phone: (201) 489-8700

Fax: (201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/19/2017. 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.

EMSL	EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson, NJ ( Phone/Fax: (856) 303-2500 / (856) 858 http://www.EMSL.com Er		<u>n</u>			EMSL Order: CustomerID: CustomerPO: ProjectID:	0117029 OMEG5	
280 Huy South H	l Levay Environmental Services /ler Street łackensack, NJ 07606		Phone: Fax: Received:		(201) 489-8700 (201) 489-8797 04/19/17 9:00 AM	1		Ň
		Analytical	Results	S				)
Client Sample De	scription 01-TL #2-FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0001
Method	Parameter	Result		Units	Prep Date	Analys		Analyst
200.8 Client Sample De	Lead scription 02-WC #8-FD	ND	1.00 Colled		4/21/2	2017 AE	4/24/2017 01170298	KB
Method	Parameter	Result		Units	Prep Date	Analys	Analysis	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	-	4/24/2017	KB
Client Sample De	scription 03-NS-FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0003
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis at Date	Analyst
200.8	Lead	1.16	1.00	µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample De	scription 04-NS (ExamRm)-FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0004
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis at Date	Analyst
200.8	Lead	2.14	1.00	µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample De	scription 05- Sci. Prep #2- FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0005
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis at Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample De	scription 06-WF @ Gym (L)-FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0006
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis at Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample De	scription 07-WC #6-FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0007
Method	Parameter	Result		Units	Prep Date	Analys	Analysis at Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample De	scription 08-WC #7-FD		Collec	cted:	4/11/2017	Lab ID:	01170298	2-0008
Method	Parameter	Result	RL	Units	Prep Date	Analys	Analysis at Date	Analyst

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Client Sample Descr	iption 08-WC #7-FD			ected:	4/11/2017		Lab ID:	011702982	2-0008
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	iption 09-Sci. Prep #3-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0009
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	iption 10-Sci. Prep #1-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0010
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	3.50	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	<i>iption</i> 11-DW #8-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0011
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	13.0	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	<i>iption</i> 12-DW #9-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0012
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	6.87	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	iption 13-WC #4-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0013
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	<i>iption</i> 14-WC #5-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0014
Method	Parameter	Result		Units			Analyst		Analyst
200.8	Lead	ND	1.00	µg/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descr	<i>iption</i> 15-TL #1-FD		Colle	cted:	4/11/2017		Lab ID:	011702982	2-0015
Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst

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Project: 17-27011	C Central Middle School	Analytical	Results				
Client Sample Dese	cription 15-TL #1-FD	Analytical	Collected	4/11/2017	Lab ID:	011702982	2-0015
Method	Parameter	Result	RL Unit		Analyst		Analyst
200.8	Lead	ND	1.00 µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample Des			Collected	Prep		011702982 Analysis	
Method	Parameter	Result	RL Unit				Analyst
200.8	Lead	1.48	1.00 µg/L		2017 AE	4/24/2017	KB
Client Sample Desc	cription 17-DW #6-FD		Collected:		Lab ID:	011702982	2-0017
Method	Parameter	Result	RL Unit	Prep s Date		Analysis Date	Analyst
200.8	Lead	1.28	1.00 µg/L	4/21/2	-	4/24/2017	KB
Client Sample Des	cription 18-DW #7-FD		Collected:	4/11/2017	Lab ID:	011702982	2-0018
Method	Parameter	Result	RL Unit			Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample Desc	<i>cription</i> 19-202A Sink-FD		Collected:	4/11/2017	Lab ID:	011702982	2-0019
Mathad	Parameter	Result	RL Unit	Prep s Date		Analysis	Analyst
<i>Method</i> 200.8	Lead	ND	1.00 µg/L			Date 4/24/2017	Analyst KB
Client Sample Desc			Collected:		Lab ID:	011702982	
Method	Parameter	Result	RL Unit	Prep s Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample Desc	cription 21-DW #4-FD		Collected:	4/11/2017	Lab ID:	011702982	2-0021
Method	Parameter	Result	RL Unit		Analyst		Analyst
200.8	Lead	ND	1.00 µg/L	4/21/2	2017 AE	4/24/2017	KB
Client Sample Des	cription 22-DW #2-FD		Collected:	4/11/2017	Lab ID:	011702982	2-0022
Method	Parameter	Result	RL Unit	Prep s Date		Analysis Date	Analyst

Attn: Michael Lev Omega Env 280 Huyler South Hack	ironmental Services		Phone: Fax: Received:		(201) 489-8700 (201) 489-8797 04/19/17 9:00 AM	Cus Cus Proj	SL Order: tomerID: tomerPO: ectID:	0117029 OMEG50	-
		Analytical	Results						
Client Sample Descript	tion 22-DW #2-FD		Collecte	ed:	4/11/2017		Lab ID:	011702982	2-0022
Method	Parameter	Result	RL U	nits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	1.52	1.00 µ	g/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 23-WC #2-FD		Collecte	ed:	4/11/2017		Lab ID:	011702982	2-0023
Method	Parameter	Result	RL U	nits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µ	g/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 24-WC #3-FD		Collecte	ed:	4/11/2017		Lab ID:	011702982	2-0024
Method	Parameter	Result	RL U	nits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µ	g/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 25- TL#3-FD		Collect	ed:	4/11/2017		Lab ID:	011702982	2-0025
Method	Parameter	Result	RL U	nits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µ	g/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 26-KC #1-FD		Collecte	ed:	4/11/2017		Lab ID:	011702982	2-0026
Method	Parameter	Result	RL U	Inits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	1.23	1.00 µ	g/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 27-KC #2-FD		Collecte	ed:	4/11/2017		Lab ID:	011702982	2-0027
Method	Parameter	Result	RL U	Inits	Prep Date		Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg	g/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 28-KC #3-FD		Collect	ed:	4/11/2017		Lab ID:	011702982	2-0028
Method	Parameter	Result	RL U		Prep Date	047	Analyst		Analyst
200.8	Lead	1.28	1.00 µ	y/L	4/21/2	2017	AE	4/24/2017	KB
Client Sample Descript	tion 29-KC #4-FD		Collecte	ed:	4/11/2017		Lab ID:	011702982	2-0029
Method	Parameter	Result	RL U	nits	Prep Date		Analyst	Analysis Date	Analyst

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Client Sample De	escription 29-KC #4-FD		Colle	cted:	4/11/2017	Lab ID:	011702982	2-0029
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
	Parameter Lead	Result ND		Units µg/L	•	•	•	Analyst KB
	Lead			µg/L	Date	•	Date	KB
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200.8 Client Sample De Method	Lead escription 30-IM #1-FD	ND	1.00 Colled	µg/L cted: Units	Date 4/21/2 4/11/2017 Prep	2017 AE Lab ID: Analyst	Date 4/24/2017 011702982 Analysis	2-0030
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200.8 Client Sample De Method 200.8 Client Sample De	Lead escription 30-IM #1-FD Parameter Lead escription 31-Pot Filler-FD	ND Result ND	1.00 Colled RL 1.00 Colled	μg/L cted: Units μg/L cted: Units	Date 4/21/2 4/11/2017 Prep Date 4/21/2 4/11/2017 Prep	2017 AE Lab ID: Analyst 2017 AE Lab ID: Analyst	Date 4/24/2017 011702982 Analysis Date 4/24/2017 011702982 Analysis	KB 2-0030 Analyst KB 2-0031

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)

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# Environmental Chemistry Chain of Custody EMSL Order Number (Lab Use Only): O U O 2082

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.	e: Omega	Environ	imental Ser	vices, Inc.		Bill To C	company: Ome	Bill To Company: Omega Environmental Services, Inc.	al Services, In	ő	02
Company Name: Omega Environmental Services, Inc.	ga Enviro	umental	Services, I	Inc.		Attentior	Attention To: Accounts Payable	s Payable			
Street: 280 Huyler Street	ļ					Street:	280 Huyler Stree	66			
City: South Hackensack State/Province: NJ	State/Pro	ovince: h		Zip/Postal Code: 07606	ode: 07606	City: Sou	City: South Hackensac	: State/Province: NJ	ice: NJ	Zip/Postal Code: 07606	
Phone: 201-486-8700		Fax: 2(	-342-5412			Phone: 2	Phone: 201-489-8700	Fax:	Fax: 201-342-5412		
Project Name: Central Middle School	iddle Sch		17-27011C	<u> </u>	Email Results To: ˌlab@omega-env.com	: lab@omega	a-env.com	U.S. Sta	te where Samp	U.S. State where Samples Collected: NJ	
Number of Samples in Shipment: 34 32	hipment:		Date of Shipment:		Purch	Purchase Order:		Sampled By (Signature):		Jule Brenn	
Standard Turnaround Time:	ne: 🛛			The following	The following TAT's are subject to lab approval:	ject to lab ap		🗌 1 Week 🔲 4 Days	(A)	🕇 2 Days 🔲 1 Day	
Failure to complete will hinder processing of samples	inder proc	sessing of	f samples	Matrix	Preservative		List Tes	List Test(s) Needed			
Client Sample ID	Comp		Grab Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	200.8 Pb-ICP/MS				Comments	
01-7+2-FD			N/1 11.00	DW	2	×					_
62-11/0#8-FD				DW	2	×					5
03 - NS - FD				DW	2	×		-			$\sim$
04 NS(Exenk,) F)				MQ	2	×					<u>٦</u>
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EMSL ANALYTICAL INC. EMB

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

282201110

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

	Matrix Preservative	List Test(s) Needed	
W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	8.00.8 Pb-ICP/MS	Comments
ΝQ	2		
DW	2	x	
MO	2	×	
M	2	×	
MO	2	x	
MO	2	x	
M	2	x	
MQ	2	x	
MO	2	x	
MQ	2	×	
DW	2	x	
MQ	2	x	
MO	2	x	
MO	2	x	
Μ	2	×	
MO	2	X	,
₹	2	×	

Page 2 of 3 pages

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PHONE: (800) 220-3675 FAX: (856) 786-5974

200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

EMSL ANALYTICAL, INC

	EMBL ANALYTICAL, INC.
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# **Environmental Chemistry** EMSL Order Number (Lab Use Only): **Chain of Custody**

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OrderID: 011702982																						
EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH	CINNAMINSON, NJ UGU 7 PHONE: (800) 220-3675 FAX: (856) 786-5974			Comments	h2		2	27	82	67		3(										
Environmental Chemistry	Chain of Custody EMSL Order Number (Lab Use Only): つバフひこびるこ	only necessary if needed for additional sample information	Droservative	SM/G)	500	×		X	×	x	x	x			X	X	×	×		X		
				1=HCL 2=HNO3 3=H2SO4	4≓ICE 5=Other	2	2	2	2	2	2	2	2	2	2	2	7	5	2	2	5	5
	EMSL		Antriv		SL=Sludge O= Other	DW	MD	MO	MD	DW	MQ	Ma	M	MD	MQ	M	MD	Ma	MO	Ma	MO	M
		Custody are		of samples Date/Time		20:11 11/12																1
		f the Chain of		der processing		\ 	 	 	╎	<u> </u>	\ 		 			┼─		╂	<u> </u>	+		┼╌┨
				inder pr	3	╞	 				+	+-	· 	+	 	+	+-	┼─	┼╴	+	- Li - Li	┽╼┨
	EMBL ANALYTICAL NC.	and pares of the Chain of Custody are only necessary	Additional rages	Failure to complete will hinder processing of samples	Client sample in	01-11. 42-FD	CH 14 14 14		_ا_		1.	>  < 	CJ- WT CIL	DI A DA LE	~ 1-4 UDICI - 71							

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