

# LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Ronald Stokes New Milford Public School District 145 Madison Avenue New Milford, NJ 07646
SITE INVESTIGATED:	B.F. Gibbs Elementary School 195 Sutton Place New Milford, NJ 07646
ASSESSMENT BY:	Keri-Dean Scarlett Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	6/3/17
DATE OF REPORT:	6/22/17

(Omega Project # 17-27020A)

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# **EXECUTIVE SUMMARY:**

The New Milford Public School District requested lead in water testing of potable water outlets at B.F. Gibbs Elementary School, 195 Sutton Place, New Milford, NJ 07646.

# Previous Testing

No information related to previous testing was available.

# Recent Testing (6/3/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on June 3, 2017.

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

First draw samples were collected of 19 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	Water Fountain at Bathroom across from Boiler (Left)	FD	1.20	15
2	Water Fountain at Bathroom across from Boiler (Right)	FD	1.64	15
3	Water Fountain at Media Center (Left)	FD	1.01	15
4	Water Fountain at Media Center (Right)	FD	1.43	15
5	122	FD	2.83	15
6	Teacher's Lounge	FD	ND	15
7	Water Fountain at Gym (Left)	FD	ND	15
8	Water Fountain at Gym (Right)	FD	ND	15
9	Kitchen	FD	8.15	15
10	Kitchen	FD	1.74	15
11	Kitchen*	FD	Not Sampled	15
12	Water Fountain at Principal Off. (Left)	FD	1.68	15
13	Water Fountain at Principal Off. (Right)	FD	2.23	15
14	103	FD	ND	15
15	Nurse Off. (Left)	FD	1.16	15
16	Nurse Off. (Right)	FD	1.58	15
17	102	FD	14.3	15
18	101	FD	6.99	15
19	100	FD	8.03	15
20	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)

ND – Indicates that the analyte was not detected at the reporting limit

\* - Outlet no longer in use.

# 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 E200.8 IOC).

# **3 DISCUSSION OF RESULTS:**

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

# 4 **RECOMMENDATIONS:**

# Short term:

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

# Long Term:

- Repeat full building testing on an annual basis. Generally this should be performed in August prior to the start of the school season.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.

# A. Lead in Water Laboratory Reports



#### 6/21/2017

# 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 6/7/2017. The results are tabulated on the attached data pages for the following client designated project:

#### 17-27020A

The reference number for these samples is EMSL Order #011704551. 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 En	<b>8077</b> 4571 <u>/Chemistry2@emsl.com</u>		EMSL Order: CustomerID: CustomerPO: ProjectID:	011704551 OMEG50
Attn: Michael I Omega E 280 Huyle South Ha	∟evay Invironmental Services er Street Ickensack, NJ 07606	Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 06/07/17 1:23 Pl	М	
Project: 17-27020	A				
		Analytical Results			
Client Sample Desc	ription 1 @ Bathroom by Boiler (L) F	D Collect	ed: 6/3/2017	Lab ID:	011704551-0001

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Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.20	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 2 @ Bathroom by Boiler (R) FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0002
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.64	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 3 @ Media Center (L) FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0003
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.01	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 4 @ Media Center (R) FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0004
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.43	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 5 122 FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0005
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.83	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 6 Teacher's Lounge FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0006
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 7 @ Gym (L) FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0007
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample De	scription 8 @ Gym (R) FD		Colle	ected:	6/3/2017	Lab ID:	011704551	-0008
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst





<i>Method</i> 200.8	Parameter Lead	<b>Result</b> 8.03	<i>RL Units</i> 1.00 μg/L	Prep Date 6/20/2017	Analyst KB	Analysis Date 6/20/2017	Analyst EG
Client Sample	Description 20 Blank FD		Collected:	6/3/2017	Lab ID:	011704551	-0020
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	6/20/2017	KB	6/20/2017	EG

#### **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).

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	City: S. Hackensack	<u>,</u>	itate:	ΓN	Zip:	7606	City/State/	Zip:	S. Hackens	ack, NJ 07	606	1
	Phone: 201.489.8700		ax:	201.342.54	112		Phone:	201.489.87	00.	Fax:	201.342.5412	
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# LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Ronald Stokes New Milford Public School District 145 Madison Avenue New Milford, NJ 07646
SITE INVESTIGATED:	David E. Owens Middle School 470 Marion Avenue New Milford, NJ 07646
ASSESSMENT BY:	Keri-Dean Scarlett Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	8/16/17
DATE OF REPORT:	9/13/17

(Omega Project # 17-27020B)

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- 4 **RECOMMENDATIONS**

# Appendices:

A. Laboratory Analytical Reports

# **EXECUTIVE SUMMARY:**

The New Milford Public School District requested lead in water testing of potable water outlets at David E. Owens Middle School, 470 Marion Avenue, New Milford, NJ 07646.

# Previous Testing

On June 3, 2017 Omega performed a full testing of all potable water outlets. First draw and flush samples (30 second) were collected of 29 water fountains and/or sinks.

Results of first draw samples revealed four results above the Lead and Copper Rule action level of 15 ppb. See report dated June 22, 2017.

Recent Testing (8/16/17)

In order to re-assess the building water outlets testing of all potable outlets with elevated lead levels on the 6/3/17 testing date was performed on August 16, 2017.

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

First draw samples were collected of 4 water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Four 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)
7	Health Office	FD	ND	15
13	Right – Kitchen	FD	22.5	15
24	215	FD	1.29	15
29	211 Prep Room	FD	3.93	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)

ND – Indicates that the analyte was not detected at the reporting limit

# 2 SAMPLING METHODOLOGY:

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (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 E200.8 IOC).

# **3 DISCUSSION OF RESULTS:**

# One first draw sample result was 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



#### 9/8/2017

### 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 8/25/2017. The results are tabulated on the attached data pages for the following client designated project:

#### 17-27020B

The reference number for these samples is EMSL Order #011706881. 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.



Client Sample Description	29 - 211 Prep Room		Collected:	8/16/2017	Lab ID:	011706881	-0004
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.93	1.00 µa/L	8/28/2017	SM	8/28/2017	SM

#### **Definitions:**

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

RL - Reporting Limit (Analytical)

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|                    | Instructions or Comments:   | Please indicate reporting requirements: Results only Descuts and QC Deliverables Disk Deliverables Disk Deliverables Other / / Instructions or Comments: | Please indicate reporting requirements: Results only a Results and QC a Reduced Deliverables a Disk Deliverables a Other | Myselow All 0    X II b/I T    I 0 = 4 0    Case of C    X II 0 - 4 0      Please indicate reporting requirements: sufferents: sufferent sufferents: sufferent s | Released By (Signature)    Date & Time    Received By    Date & Time      Name    Name    Received By    Carotic    B24/17    10.20      Name    Name    10.20    Carotic    B24/17    10.00      Please indicate reporting requirements:    Results only © Results and QC    Reduced Deliverables    Disk Deliverables    Other      Instructions or Comments:    Name    Name    Name    Name    Name | Released By (Signature)    Date & Time    Received By    Place    Received By    Date & Time      NS_conv(c)    Stability    10:20    Received By    20000    2000    20000 <td>Released By (Signature)    Date &amp; Time    Received By    Received By    Date &amp; Time      W</td> <td>Released By (Signature)    Date &amp; Time    Received By    Date &amp; Time      N2&lt;0</td> 0    0    20    Received By    Date & Time      N2<0 | Released By (Signature)    Date & Time    Received By    Received By    Date & Time      W | Released By (Signature)    Date & Time    Received By    Date & Time      N2<0 | Released By (Signature)    Date & Time    Received By    Date & Time      Released By (Signature)    Date & Time    Received By    Date & Time      Marcon No | Released By (Signature)    Date & Time    Received By    Date & Time      Released By (Signature)    Date & Time    Received By    Date & Time      Mys.ovv \ 0, Y    V    Date & Time    Received By    Date & Time      Mys.ovv \ 0, Y    V    V    Date & Time    V    Date & Time      Mys.ovv \ 0, Y    V    V    V    Date & Time    V    Date & Time      Please indicate reporting requirements:    y.Results only to Results and QC to Reduced Deliverables to Disk Deliverables to Other    V    V    V    V      Instructions or Comments:    V    V    V    V    V    V    V    V    V | Released By (Signature)    Date & Time    Received By    Received By    Carcycle    Date & Time      Name    Date & Time    Date & Time    Received By    The Carcycle    Date & Time      Name    Date & Time    Date & Time    Received By    The Carcycle    Date & Time      Name    Date & Time    Date & Time    Received By    The Carcycle    Date & Time      Name    Date & Time      Name    Date & Time      Name    Date & Time      Name    Date & Time      Name    Date & Time      Name    Date & Time      Name    Date & Time      Name    Date & Time    Date & Time    Date & T | Released By (Signature)    Date & Time    Received By    Received By    Date & Time      Released By (Signature)    Date & Time    Received By    The country of t | Released By (Signature)    Date & Time      Released By (Signature)    Date & Time      Norway of the second seco | Released By (Signature)    Date & Time      Released By (Signature)    Total & Time </td <td>Released By (Signature)    Date &amp; Time      Released By (Signature)    Date &amp; Time      Release indicate reporting requirements:    N. 2.7.0      Please indicate reporting requirements:    N. 2.7.5      Results only to Results and QC to Reduced Deliverables to Disk Deliverables to Other      Instructions or Comments:    N. 2.7.5</td> <td>Released By (Signature)    Date &amp; Time    Reference    <th< td=""><td>Released By (Signature)    Date &amp; Time      Released By (Signature)    Date &amp; Time      Released By (Signature)    Date &amp; Time      Carcycle    The Carcycle      Please indicate reporting requirements:    %Results and QC      Please indicate reporting requirements:    %Results and QC      Results only    Results and QC      Results only    Start      Results only    Results and QC      Results only    Results only      Results only    Results only      Results only    Results only      Results only    Results only      Results    Results      Results<td>29 211 Frep Room  FD  A    29 211 Frep Room  FD    A  A    B  A    B  A    B  A    B  A    B  A    B  A    B  A    B  B    C  C    C  C    C  C    B  C    B  C    C  C    C  C    C  C    C  C    C  C    C  C    C  C    C  C    C&lt;</td><td>24/216    (7), (5)    FD    X    DW    2    X      29/211 Prep Room    FD    X    DW    2    X      29/211 Prep Room    FD    X    DW    2    X      10    The Room    FD    X    DW    2    X      10    The Room    FD    X    DW    2    X      11    Figure Room    FD    X    DW    2    X      11    Figure Room    FD    X    DW    2    X      12    The Room    FD    X    DW    2    X      12    The Room    FD    Date &amp; Time    Figure Room    Figure Room    Figure Room      13    Figure Room    Figure Room<td>Ist.  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(P,Q,W) PD  X  DW  2  X    24/212 Pfe (V,U/S)  PD  X  DW  2  X    29/2112 Pfe Room  FD  X  DW  2  X    29/212 Pfe Room  Disk Dilverables  Disk Dilverable</td><td>Theath off    FD    X    DW    2    X      13 Left    (P:q)M    FD    X    DW    2    X      24 2r6    (L)    FD    X    DW    2    X      24 2r6    (L)    FD    X    DW    2    X      29 2r11 Prep Room    FD    X    DW    2    X      29 2r11 Prep Room    FD    X    DW    2    X      29 2r11 Prep Room    FD    X    DW    2    X      29 2r11 Prep Room    FD    X    DW    2    X      29 2r11 Prep Room    FD    X    DW    2    X      20 2 2 3    DW    2    X    DW    2    X      20 2 2 3    DW    2    X    DW    2    X    DW      21 2 4 2 4    DW    2    X    DW    2    X    DW    2    X    DW      22 3 3    Dy Contractions or Comments:    Status only uncesults and QC - Reglured Deliverables = Disk Deliverables = Other    Therables = Disk Deliverables = Disk Deliverables</td><td>Client Sample ID  Comp  Grab  Time  O=Other  <math>\frac{1}{2}</math> Since <math></math></td><td>Client Sample ID  Comp  Grab  Time  SeSoil  2=HN03  AAIr  3=H2804  AAIr    7 Heath Off.  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# LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Ronald Stokes New Milford Public School District 145 Madison Avenue New Milford, NJ 07646
SITE INVESTIGATED:	David E. Owens Middle School 470 Marion Avenue New Milford, NJ 07646
ASSESSMENT BY:	Keri-Dean Scarlett Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	6/3/17
DATE OF REPORT:	6/22/17

(Omega Project # 17-27020B)

# **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 New Milford Public School District requested lead in water testing of potable water outlets at David E. Owens Middle School, 470 Marion Avenue, New Milford, NJ 07646.

# Previous Testing

No information related to previous testing was available.

# Recent Testing (6/3/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on June 3, 2017.

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

First draw samples were collected of 29 water fountains and sinks.

# Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Four 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 Fountain at Custodian Office (L)	FD	1.90	15
2	Water Fountain at Custodian Office (R)	FD	5.28	15
3	Water Fountain at 110 (L)	FD	1.23	15
4	Water Fountain at 110 (R)	FD	1.17	15
5	Water Fountain at 107	FD	ND	15
6	Health Office	FD	6.13	15
7	Health Office	FD	26.1	15
8	Water Fountain at Main Office (L)	FD	ND	15
9	Water Fountain at Main Office (R)	FD	ND	15
10	Water Fountain in Cafeteria (L)	FD	ND	15
11	Water Fountain in Cafeteria (R)	FD	ND	15
12	Left – Kitchen	FD	8.14	15
13	Left – Kitchen	FD	34.6	15
14	Center – Kitchen	FD	2.41	15
15	Right – Kitchen	FD	8.77	15
16	Water Fountain at Media Center Entrance	FD	2.39	15
17	Girls Locker	FD	ND	15
18	Boys Locker	FD	ND	15
19	Water Fountain at 114	FD	1.48	15
20	113	FD	1.08	15
21	114	FD	2.62	15
22	Water Fountain at 208 (L)	FD	ND	15
23	Water Fountain at 208 (R)	FD	ND	15
24	216	FD	32.5	15
25	Water Fountain at 203 (L)	FD	2.93	15
26	Water Fountain at 203 (R)	FD	ND	15
27	Water Fountain at 212 (L)	FD	ND	15
28	Water Fountain at 212 (R)	FD	ND	15
29	211 Prep Room	FD	22.2	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)

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

# 2 SAMPLING METHODOLOGY:

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (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 E200.8 IOC).

# **3 DISCUSSION OF RESULTS:**

# Four 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



#### 6/21/2017

# 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 6/7/2017. The results are tabulated on the attached data pages for the following client designated project:

#### 17-27020B

The reference number for these samples is EMSL Order #011704549. 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.



Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Descrip	otion 6 Health Off. FD		Collected:	6/3/2017	Lab ID:	011704549	-0006

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	6.13	1.00 µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample	Description 7 Health Off. FD		Collected:	6/3/2017	Lab ID:	011704549	9-0007
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	26.1	1.00 µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample	Description 8 @ Main Off. (L) FD		Collected:	6/3/2017	Lab ID:	011704549	9-0008
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst



	EMSL Analytical, Inc 200 Route 130 North, Cinnaminson Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	, NJ 08077 ) 858-4571 <u>EnvChemistry2@emsl.cor</u>	<u>n</u>		EMSL Order: CustomerID: CustomerPO: ProjectID:	011704549 OMEG50	)
Attn:	Michael Levay Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606		Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 06/07/17 12:54 P	М		
		Analytical	Results				
Client	Sample Description 15 Right-Kitchen FD		Collected:	6/3/2017	Lab ID:	011704549-0	0015
Method	Parameter	Result	RL Units	Prep s Date	Analyst	Analysis Date	Analyst

Method	Parameter	Result	RL (	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.39	1.00 µ	ug/L	6/20/2017	EG	6/20/2017	EG
Client Sample Descriptio	n 17 Girls Locker		Collec	ted:	6/3/2017	Lab ID:	011704549-	0017

1.00 µg/L

Collected:

6/20/2017

6/3/2017

EG

Lab ID:

6/20/2017

011704549-0016

EG

8.77

Method	Parameter	Result	RL UI	nits	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg	g/L	6/20/2017	EG	6/20/2017	EG
Client Sample Descriptio	n 18 Boys Locker		Collecte	ed: 6/3/201	17 L	ab ID:	011704549-0	0018

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00	µg/L	6/20/2017	' EG	6/20/2017	EG
Client Sample Description	<b>n</b> 19 @ 114 FD		Colle	cted:	6/3/2017	Lab ID:	011704549-0	0019

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.48	1.00 µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Descript	tion 20 113 FD		Collected:	6/3/2017	Lab ID:	011704549	-0020

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	1.08	1.00 µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample D	Description 21 114 FD		Collected:	6/3/2017	Lab ID:	011704549	9-0021
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.62	1.00 µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample D	Description 22 @ 208 (L) FD		Collected:	6/3/2017	Lab ID:	011704549	9-0022
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst

200.8

Lead Client Sample Description 16 @ Media Cntr Entr FD



EMSL	EMSL Analytical, In 200 Route 130 North, Cinnaminso Phone/Fax: (856) 303-2500 / (85 http://www.EMSL.com	C. n, NJ 08077 6) 858-4571 <u>EnvChemistry2@emsl.com</u>			EMSL Order: CustomerID: CustomerPO: ProjectID:	011704549 OMEG50
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Project: 17-2702	0B					)

		Analytical R	lesults				
Client Sample Des	cription 29 211 Prep Room FD		Collected:	6/3/2017	Lab ID:	011704549	-0029
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	22.2	1.00 µg/L	6/20/2017	EG	6/20/2017	EG

#### Definitions:

ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical)

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	×	2	DW		×		11 Cafeteria (R) FD	
	×	22	DW		×		10 Cafeteria (L) FD	
	X	2	DW		×	-	9 @ Main Off. (R) FD	
	×	2	DW		×		8 @ Main Off. (L) FD	
	×	2	DW		×		7 Health Off. FD	
	×	2	DW	_	×		6 Health Off. FD	-
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	×	2	DW		×		4 @ 110 (R) FD	-
	×	2	DW		×		3 @ 110 (L) FD	
	×	2	DW	، ۱ ۱	×		2 @ Custodian Off. (I FD	
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		1=HCL	W=Water					
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Environmental Chemistry Chain of Custody EMSL Order Number (*Lab Use Only*): 0///04/549

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EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077
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Chain of Custody EMSL Order Number (Lab Use Only):

**Environmental Chemistry** 

EWS

OrderID: 011704549

Instructions or Comments:

Page 2 of 2



# LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Ronald Stokes New Milford Public School District 145 Madison Avenue New Milford, NJ 07646
SITE INVESTIGATED:	New Milford High School 330 River Road New Milford, NJ 07646
ASSESSMENT BY:	Keri-Dean Scarlett Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	8/16/17
DATE OF REPORT:	9/13/17

(Omega Project # 17-27020C)

# **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 New Milford Public School District requested lead in water testing of potable water outlets at New Milford High School, 330 River Road, New Milford, NJ 07646.

#### Previous Testing

On June 3, 2017 Omega performed a full testing of all potable water outlets. First draw were collected of 52 water fountains and/or sinks.

Results of first draw samples revealed fifteen results above the Lead and Copper Rule action level of 15 ppb. See report dated June 22, 2017.

Recent Testing (8/16/17)

In order to re-assess the building water outlets, testing of all potable outlets with elevated levels on 6/3/17 was performed on August 16, 2017.

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

First draw samples were collected of 14 water fountains and sinks.

# Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. One draw sample was 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)
6	Cafeteria Front Water Fountain	FD	ND	15
7	Cafeteria Rear Water Fountain	FD	ND	15
12	Cafeteria Kitchen (L to R)	FD	2.59	15
19	Gym Water Fountain (R)	FD	ND	15
28	Water Fountain at Nurse (251)	FD	ND	15
33	Room 339	FD	6.67	15
37	333 (L to R)	FD	ND	15
38	333 (L to R)	FD	ND	15
40	333 (L to R)	FD	ND	15
42	330 (L to R)	FD	ND	15
46	330 (L to R)	FD	ND	15
47	330 (L to R)	FD	42.0	15
50	Field House (R)	FD	4.58	15
52	Snack Shop	FD	6.76	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)

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

#### 2 SAMPLING METHODOLOGY:

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid ( $HNO_3$ ) 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 E200.8 IOC).

#### **3 DISCUSSION OF RESULTS:**

#### One first draw sample result was 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



#### 9/8/2017

#### 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 8/25/2017. The results are tabulated on the attached data pages for the following client designated project:

#### 17-27020C

The reference number for these samples is EMSL Order #011706882. 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 Phone/Fax: (856) 303-2500 / (856 http://www.EMSL.com	) 858-4571 EnvChemistry2@emsl.cor	<u>1</u>		EMSL Order: CustomerID: CustomerPO: ProjectID:	011706882 OMEG50
Attn:	Michael L Omega Ei 280 Huyle South Hae	evay nvironmental Services er Street ckensack, NJ 07606		Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 08/25/17 8:00 AN	Λ	
Proje	ct: <b>17-27020C</b>	:					

		Analytical R	lesults				
Client Sample De	scription 3 Room 101 FD		Collected:	8/16/2017	Lab ID:	011706882	-0015
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	8/28/2017	SM	8/28/2017	SM

#### Definitions:

ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical)

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Report To Contact Name:	Michael Le	evay			<b>Bill To Co</b>	mpany:	Omega Envir	ronmental	
Company Name: Omega E	invironmenta				Attention 1	ro:	Accts Payabl	e	
Street: 280 Huyler Street					Street:	280 Huyler	Street		
City: S. Hackensack	State:	ΓN	Zip:	7606	<b>City/State/</b>	Zip:	S. Hackensa	ck, NJ 076	306
Phone: 201.489.8700	Fax:	201.342.5	112		Phone:	201.489.87	.00	ax:	201.342.5412
Project Name: 17-27020	c		Email Res	ults To:	ląb@omeg	a-env.com	US State Sam	tples Colle	icted: 🔿 NJ
Number of Samples in Shipment:	H		Date of S	hipment: <	J16/17	Sampler (	Signature: /	VSCA	the h
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Failure to complete will hind	er processing	of samples		Matrix	Preserv.	List	<u>Test(s) Need</u>	led	
				W=Water	1=HCL				
				S=Soil	2=HNO3	sn Sn			Comments
!			Date/	A=Air	3=H2SO4	9.00 P-d			
Client Sample ID	Comp	Grab	Time	0=Other	0=Other	SC IC bI			
i 6 Cafeteria Front FD		×	[]7 AN/K/IL65	Mq +	2	X			
2 7 7 Cafeteria Rear FD		×		Ma	2	×			
ζ 12 Cafeteria Kitchen (L to R) FD		×		Ma	2	X			
ч 19 Gym (R) FD		×		DW	2	X			
ξ 28 @ Nurse (251) FD		×		Ma	2	X			
ζ 33 Room 339 FD		×		DW	2	X			
7 37 333 (L to R) FD		×		M	2	X		·	
ç 38 333 (L to R) FD		×		N	2	×			
40 333 (L to R) FD		×		N	2	X			
0 42 330 (L to R) FD		×		V	2	X	_		
(i 46 330 (L to R) FD		×		V	2	×			
1 47 330 (L to R) FD		×		M	. 2	X			
رt) 50 Field House @ FD		×		V	7	×			
A 52 Snack Shop FD		×		M	2	×			
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Released By (Signature)	, ,	Date & Tim	e /	Å	Receiv	/ed_BX			ate & Time
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Instructions or Comments:									

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#Extra Sample received, run partme client 113 Room 101 FD11 -H



## LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Ronald Stokes New Milford Public School District 145 Madison Avenue New Milford, NJ 07646
SITE INVESTIGATED:	New Milford High School 330 River Road New Milford, NJ 07646
ASSESSMENT BY:	Kyle Brown Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	6/3/17
DATE OF REPORT:	6/22/17

(Omega Project # 17-27020C)

### **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 New Milford Public School District requested lead in water testing of potable water outlets at New Milford High School, 330 River Road, New Milford, NJ 07646.

#### Previous Testing

No information related to previous testing was available.

#### Recent Testing (6/3/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on June 3, 2017.

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

First draw samples were collected of 52 water fountains and sinks.

# Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Fifteen 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	Boiler Room	FD	3.20	15
2	Outside Boiler Room	FD	6.21	15
3	Room 101	FD	34.8	15
4	Water Fountain at 102 (L)	FD	14.6	15
5	Water Fountain at 102 (R)	FD	11.5	15
6	Cafeteria Front Water Fountain	FD	15.0	15
7	Cafeteria Rear Water Fountain	FD	19.4	15
8	Coffee Machine	FD	5.09	15
9	Cafeteria Kitchen (L to R)	FD	2.68	15
10	Cafeteria Kitchen (L to R)	FD	14.8	15
11	Cafeteria Kitchen (L to R)	FD	2.56	15
12	Cafeteria Kitchen (L to R)	FD	21.9	15
13	Cafeteria Kitchen (L to R)	FD	12.7	15
14	Cafeteria Kitchen (L to R)	FD	7.09	15
15	Cafeteria Kitchen (L to R)	FD	4.43	15
16	Water Fountain at 224 (L)	FD	3.95	15
17	Water Fountain 224 (R)	FD	3.77	15
18	Gym Water Fountain (L)	FD	14.8	15
19	Gym Water Fountain (R)	FD	15.3	15
20	Gym (205)	FD	11.2	15
21	Water Fountain at 205 (L)	FD	9.17	15
22	Water Fountain 205 (R)	FD	9.92	15
23	Gym (201)	FD	6.77	15
24	Trainer's Room	FD	11.4	15
25	Trainer's Room Water Fountain (I)	FD	Not	15
			Sampled	
26	Trainer's Room Water Fountain (R)	FD	Not Sampled	15
27	Nurse (251)	FD	4.60	15
28	Water Fountain at Nurse (251)	FD	64.6	15
29	Media Center	FD	13.9	15
30	Room 239	FD	10.3	15
31	Water Fountain at 312	FD	2.88	15
32	Room 309	FD	5.57	15
33	Room 339	FD	64.2	15
34	Water Fountain at 335 (L)	FD	14.3	15
35	Water Fountain at 335 (R)	FD	12.0	15
36	333 (L to R)	FD	Not Sampled	15
37	333 (L to R)	FD	73.3	15
38	333 (L to R)	FD	16.8	15

Page 4 of 7: Lead in Water Testing Report, {Omega Project#: 17-27020C}

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

39	333 (L to R)	FD	10.6	15
40	333 (L to R)	FD	48.1	15
41	333 (L to R)	FD	7.73	15
42	330 (L to R)	FD	30.4	15
43	330 (L to R)	FD	4.60	15
44	330 (L to R)	FD	12.6	15
45	330 (L to R)	FD	7.04	15
46	330 (L to R)	FD	22.4	15
47	330 (L to R)	FD	20.2	15
48	Field House Exterior (rear)	FD	9.74	15
49	Field House (L)	FD	13.4	15
50	Field House (R)	FD	24.9	15
51	Snack Shop	FD	6.04	15
52	Snack Shop	FD	23.2	15
53	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)

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

#### **2 SAMPLING METHODOLOGY:**

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid ( $HNO_3$ ) 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 E200.8 IOC).

#### **3 DISCUSSION OF RESULTS:**

Fifteen 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



Fax:

#### 6/21/2017

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

(201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/7/2017. The results are tabulated on the attached data pages for the

#### 17-27020C

following client designated project:

The reference number for these samples is EMSL Order #011704540. 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, I 200 Route 130 North, Cinnamin Phone/Fax: (856) 303-2500 / http://www.EMSL.com	<b>NC.</b> son, NJ 08077 856) 858-4571 <u>EnvChemistry2@emsl.com</u>			EMSL Order: CustomerID: CustomerPO: ProjectID:	011704540 OMEG50
Attn: Michael Omega 280 Huy South H	Levay Environmental Service ler Street ackensack, NJ 07606	Phon Fax: Rece	e: ived:	(201) 489-8700 (201) 489-8797 06/07/17 12:03 F	PM	
Project: <b>17-2702</b>	0C					
		Analytical Day				

	F	Maryucari	Nesun	.3				
Client Sample Description	on 8 Coffee Machine FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0008
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.09	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 9 Cafeteria Kitchen (L to R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0009
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.68	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 10 Cafeteria Kitchen (L to R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0010
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	14.8	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 11 Cafeteria Kitchen (L to R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0011
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.56	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 12 Cafeteria Kitchen (L to R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0012
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	21.9	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 13 Cafeteria Kitchen (Lto R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0013
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	12.7	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 14 112A Kitchen (L to R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0014
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	7.09	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	on 15 114 Kitchen (L to R) FD		Colle	ected:	6/3/2017	Lab ID:	011704540	-0015
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst



Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	3.77	1.00	µg/L	6/20/2017	EG	6/20/2017	EG
Client Sample Description	<b>n</b> 18 Gym (L) FD		Colle	cted:	6/3/2017	Lab ID:	011704540-0	0018

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	14.8	1.00	µg/L	6/20/20	017 EG	6/20/2017	EG
Client Sample Description	<b>n</b> 19 Gym (R) FD		Colle	cted:	6/3/2017	Lab ID:	011704540-	0019

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	15.3	1.00 µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample Descri	<i>ption</i> 20 Gym (205) FD		Collected:	6/3/2017	Lab ID:	011704540	-0020

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	11.2	1.00 µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample D	escription 21 @ 205 (L) FD		Collected:	6/3/2017	Lab ID:	011704540	0-0021
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	9.17	1.00 µg/L	6/20/2017	KB	6/20/2017	EG
Client Sample D	escription 22 @ 205 (R) FD		Collected:	6/3/2017	Lab ID:	011704540	)-0022
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst









•		EMSL Analytical, Inc 200 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	• NJ 08077 858-4571 <u>EnvChemistry2@emsl.com</u>	L		EMSL Order: CustomerID: CustomerPO: ProjectID:	011704540 OMEG50
Attn:	Michael L Omega Er 280 Huyle South Hae	evay nvironmental Services r Street ckensack, NJ 07606		Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 06/07/17 12:03 F	M	
Proje	ct: 17-27020C						

		Analytical R	esults				
Client Sample Desc	cription 53 Blank FD		Collected:	6/3/2017	Lab ID:	011704540	-0053
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	6/20/2017	KB	6/20/2017	EG

#### Definitions:

ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical)

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	Report To Contact Name:	Michael Lev	ay			Bill To Cor	npany:	Omega Env	ironmenta
	Company Name: Omega En	vironmental				Attention	[0]	Accts Paya	ble
	Street: 280 Huyler Street					Street:	280 Huyler	Street	
	City: S. Hackensack	State: 1	£	Zip:	7606	City/State/	Zip:	S. Hackens	ack, NJ 076
	Phone: 201.489.8700	Fax:	201.342.54	12		Phone:	201.489.87	00	Fax:
	Project Name: 17-27020C			Email Res	ults To:	lab@omeg	a-env.com	US State Sa	mples Colle
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			_	Date/	A=Air	3=H2SO4	)- P/N 0.8		
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EMSL ANALYTICAL, INC.

Chain of Custody EMSL Order Number (Lab Use Only): 01170 4540

**Environmental Chemistry** 

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

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201.342.5412	In Fax:	001 ARG 87(	City/States		Zip:	N.	State:	arkaneark	
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	Street	280 Huvler S	Ctreat.				ironmental	ame: Omega Env	Company N
	Accts Payable		Attention T			ay	Michael Lev	ontact Name:	Deport To C
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EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

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

**Environmental Chemistry** 

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## LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Ronald Stokes New Milford Public School District 145 Madison Avenue New Milford, NJ 07646
SITE INVESTIGATED:	Berkley Street Elementary School 812 Berkley Street New Milford, NJ 07646
ASSESSMENT BY:	Kyle Brown Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	6/3/17
DATE OF REPORT:	6/22/17

(Omega Project # 17-27020D)

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#### EXECUTIVE SUMMARY/PROJECT OVERVIEW

- 1. **RESULTS TABLE**
- 2. SAMPLING METHODOLOGY
- 3. DISCUSSION OF RESULTS
- 4 **RECOMMENDATIONS**

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A. Laboratory Analytical Reports

### **EXECUTIVE SUMMARY:**

The New Milford Public School District requested lead in water testing of potable water outlets at Berkley Street Elementary School, 812 Berkley Street, New Milford, NJ 07646.

#### Previous Testing

No information related to previous testing was available.

#### Recent Testing (6/3/17)

In order to assess the building water outlets a full testing of all potable outlets was performed on June 3, 2017.

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

First draw samples were collected of 18 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	Water Fountain at Boiler Room (Left)	FD	6.08	15
2	Water Fountain at Boiler Room (Right)	FD	11.2	15
3	Water Fountain at Computers 10 (Left)	FD	ND	15
4	Water Fountain at Computers 10 (Right)	FD	ND	15
5	Water Fountain at Bath by Nurse (Left)	FD	ND	15
6	Water Fountain at Bath by Nurse (Right)	FD	ND	15
7	Nurse Office	FD	5.03	15
8	Room 117	FD	4.33	15
9	Room 116	FD	4.26	15
10	Room 115	FD	7.29	15
11	Room 114	FD	8.46	15
12	Water Fountain at Room 111 (Left)	FD	2.81	15
13	Water Fountain at Room 111 (Right)	FD	5.27	15
14	Faculty Room 109	FD	14.4	15
15	Cafeteria Kitchen (Left)	FD	5.97	15
16	Cafeteria Kitchen (Right)	FD	7.85	15
17	Water Fountain at Room 208 (Left)	FD	2.03	15
18	Water Fountain at Room 208 (Right)	FD	2.46	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)

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

## 2 SAMPLING METHODOLOGY:

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (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 E200.8 IOC).

## **3 DISCUSSION OF RESULTS:**

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

### 4 **RECOMMENDATIONS:**

#### Short term:

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

#### Long Term:

- Repeat full building testing on an annual basis. Generally this should be performed in August prior to the start of the school season.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.

## A. Lead in Water Laboratory Reports



#### 6/21/2017

#### 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 6/7/2017. The results are tabulated on the attached data pages for the following client designated project:

#### 17-27020D

The reference number for these samples is EMSL Order #011704533. 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.



Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	6/19/2017	EG	6/19/2017	EG
Client Sample Descriptio	n 5-@ Bath By Nurse (L)-FD		Collected:	6/3/2017	Lab ID:	011704533	-0005

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	6/19/2017	EG	6/19/2017	EG
Client Sample Description	on 6-@ Bath By Nurse (R)-FD		Collected:	6/3/2017	Lab ID:	011704533	-0006

Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	ND	1.00 µg/L	6/19/2017	EG	6/19/2017	EG
Client Sample Description 7-Nurse Office-FD			<b>Collected:</b> 6/3/2017		Lab ID:	011704533-0007	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	5.03	1.00 µg/L	6/19/2017	EG	6/19/2017	EG
Client Sample Description 8-Room 117-FD		Collected:	6/3/2017	Lab ID:	011704533	3-0008	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst


		EMSL Analytical, Inc 200 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	• NJ 08077 858-4571 <u>EnvChemistry2@emsl.com</u>	1		EMSL Order: CustomerID: CustomerPO: ProjectID:	011704533 OMEG50
Attn:	Michael L Omega Er 280 Huyle South Hao	evay nvironmental Services r Street ckensack, NJ 07606		Phone: Fax: Received:	(201) 489-8700 (201) 489-8797 06/07/17 3:35 PI	И	
Projec	ct: <b>17-27020D</b>						

		Analytical F	Results					
Client Sample Descript	ion 15-Cafeteria Kitchen (L)-FD		Collecte	ed: 6/3/20	017	Lab ID:	011704533	-0015
Method	Parameter	Result	<b>RL U</b>	Inits	Prep Date	Analyst	Analysis Date	Analyst EG
Client Sample Descript	ion 16-Cafeteria Kitchen (R)-FD	0.01	Collecte	ed: 6/3/20	017	Lab ID:	011704533	-0016
Method	Parameter	Result	RL U	Inits	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	7.85	1.00 µç	g/L	6/19/2017	EG	6/19/2017	EG
Client Sample Descript	<i>ion</i> 17-@ Room 208 (L)-FD		Collecte	ed: 6/3/20	017	Lab ID:	011704533	-0017
Method	Parameter	Result	RL U	Inits	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.03	1.00 µç	g/L	6/19/2017	EG	6/19/2017	EG
Client Sample Descript	<i>ion</i> 18-@ Room 208 (R)-FD		Collecte	ed: 6/3/20	017	Lab ID:	011704533	-0018
Method	Parameter	Result	RL U	Inits	Prep Date	Analyst	Analysis Date	Analyst
200.8	Lead	2.46	1.00 µç	g/L	6/19/2017	EG	6/19/2017	EG

## 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 Custodv

Chain of Custody EMSL Order Number (Lab Use Only): wtg.ref All TAPE

OrderID: 011704533

EMSL ANALYTICAL, INC.				11-705	24110	45.55			
Report To Contact Name:	Michael Le	ivay			<b>Bill To Co</b>	mpany:	Omega Enviro	nmental	
Company Name: Omega E	Environmenta				<b>Attention</b>	To:	Accts Payable		
Street: 280 Huyler Street					Street:	280 Huyler	Street		
City: S. Hackensack	State:	ΓN	Zip:	7606	<b>City/State</b>	/Zip:	S. Hackensack	4, NJ 07606	
<b>Phone:</b> 201.489.8700	Fax:	201.342.54	12		Phone:	201.489.87	00 Fax	<b>c:</b> 201	.342.5412
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-			Date/	S=Soil A=Air	2=HNO3	SM\ 8.			Comments
Client Sample ID	Comp	Grab	Time	0=Other	0=Other	500 ICb ЪР-			
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2 @ Boiler Room (R) FD		×		MO	5	×			
3 @ Computers 10 (L) FD		×		DW	5	×			
석 4 @ Computers 10 (R) FD		×	}	DW	2	X			
5 @ Bath by Nurse (L) FD		X		DW	2	×			
to 6 @ Bath by Nurse (R) FD		×		NQ	5	×			
7 7 Nurse Office FD		X		MQ	2			, , ,	
γ 8 Room 117 FD		×		DW	2	×			
Q 9 Room 116 FD		×		DW	2	×			
10 Room 115 FD		×		DW	2	×			
11 Room 114 FD		×		DW	2	X			
12 12 @ Room 111 (L) FD		×		DW	2	X			
13 13 @ Room 111 (R) FD		×		DW	2	X			
1년 14 Faculty Room 109 FD		×		DW	2	×			
15 Cafeteria Kitchen (L) FD		×		DW	2	×			
ره 16 Cafeteria Kitchen (R) FD		×		DW	2	×			
17 @ Room 208 (L) FD		×	-	DW	2	X			
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