



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

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**INVESTIGATION FOR:** Susan O Donnell  
Headstart Comm. Prog. of Morris County  
18 Thompson Avenue  
Dover, NJ 07801

**SITE INVESTIGATED:** Head Start of Morris County  
540 W. Hanover Avenue  
Morristown, NJ 07960

**ASSESSMENT BY:** Keri-Dean Scarlett  
Omega Environmental Services, Inc.  
280 Huyler Street  
South Hackensack, NJ 07606

**INVESTIGATION  
CONDUCTED:** 2/15/18

**DATE OF REPORT:** 3/15/18

(Omega Project # 18-27001)

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## **EXECUTIVE SUMMARY:**

The Morris County-Risk Management requested lead in water testing of potable water outlets at Head Start of Morris County, 540 W. Hanover Avenue, Morristown, NJ 07960.

### *Previous Testing*

No information related to previous testing was available.

### *Recent Testing (2/15/18)*

In order to assess the building water outlets a full testing of all potable outlets was performed on February 15, 2018.

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

First draw and flush (30seconds) samples were collected of 10 water fountains and sinks.

**All results were below the Lead and Copper action level of 15 ppb and 1,300 ppb respectively.**

See Section 3 Discussion of Results

## 1 RESULTS TABLE:

Sample #	Location	1 <sup>st</sup> draw (FD) and Flush (FL)	Lead Results (ppb)	LCR Action Level <sup>(1)</sup> (ppb)	Copper Results (ppb)	LCR Action Level <sup>(1)</sup> (ppb)
1	Kitchen Sink	FD	2.94	15	130	1,300
2	Kitchen Sink	FL	NA	15	NA	1,300
3	Kitchen Cooler	FD	ND	15	ND	1,300
4	Kitchen Cooler	FL	NA	15	NA	1,300
5	Office next to Kitchen	FD	3.56	15	180	1,300
6	Office next to Kitchen	FL	NA	15	NA	1,300
7	Classroom 1 Left	FD	1.67	15	220	1,300
8	Classroom 1 Left	FL	NA	15	NA	1,300
9	Classroom 1 Right	FD	2.59	15	200	1,300
10	Classroom 1 Right	FL	NA	15	NA	1,300
11	Library	FD	3.30	15	200	1,300
12	Library	FL	NA	15	NA	1,300
13	Classroom 2 Left	FD	2.66	15	230	1,300
14	Classroom 2 Left	FL	NA	15	NA	1,300
15	Classroom 2 Right	FD	1.41	15	220	1,300
16	Classroom 2 Right	FL	NA	15	NA	1,300
17	Classroom 3 Left	FD	2.48	15	270	1,300
18	Classroom 3 Left	FL	NA	15	NA	1,300
19	Classroom 3 Right	FD	3.37	15	200	1,300
20	Classroom 3 Right	FL	NA	15	NA	1,300

<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

NA – Not Analyzed

## 2 SAMPLING METHODOLOGY:

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (HNO<sub>3</sub>) as a preservative.

Flush Samples – After collection of first draw samples the water was allowed to flow at a relatively slow rate for thirty second to flush the fixture and close piping. The flush samples are intended to test the plumbing further upstream from the fixture (behind walls).

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.**

### **4 RECOMMENDATIONS:**

*Short term:*

- No further action is recommended in regards to outlets test

*Long Term:*

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

## A. Lead in Water Laboratory Reports



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

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

3/6/2018

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/19/2018. The results are tabulated on the attached data pages for the following client designated project:

**18-27001 - Head Start - Morristown**

The reference number for these samples is EMSL Order #011801188. 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

Report amended 03/06/2018 11:28:02 Replaces initial report from 03/05/2018 12:31:14 Project description corrected

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>[EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011801188

CustomerID: OMEG50

CustomerPO:

ProjectID:

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

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 02/19/18 10:00 AM

Project: 18-27001 - Head Start - Morristown

**Analytical Results**

**Client Sample Description** 1 Kitchen Sink FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	130	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	2.94	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 3- cooler FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	ND	5.0	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	ND	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 5- office nex to kitchen FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	180	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	3.56	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 7- classroom 1 left FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	220	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	1.67	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 9- right FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	200	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	2.59	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 11- Library FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0011

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	200	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	3.30	1.00	µg/L	2/20/2018	SM	2/20/2018	SM



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>[EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011801188

CustomerID: OMEG50

CustomerPO:

ProjectID:

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

Phone: (201) 489-8700  
 Fax: (201) 489-8797  
 Received: 02/19/18 10:00 AM

Project: 18-27001 - Head Start - Morristown

**Analytical Results**

**Client Sample Description** 13- classroom left FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	230	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	2.66	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 15- right FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	220	25	µg/L	2/21/2018	SM	2/21/2018	SM
200.8	Lead	1.41	1.00	µg/L	2/21/2018	SM	2/21/2018	SM

**Client Sample Description** 17- 3 left FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0017

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	270	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	2.48	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Client Sample Description** 19 FD **Collected:** 2/15/2018 **Lab ID:** 011801188-0019

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.8	Copper	200	25	µg/L	2/20/2018	SM	2/20/2018	SM
200.8	Lead	3.37	1.00	µg/L	2/20/2018	SM	2/20/2018	SM

**Definitions:**

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

RL - Reporting Limit (Analytical)



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCT TRAINING

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

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

Report To Contact Name: Omega Environmental Services, Inc.				Bill To Company: Omega Environmental Services, Inc.			
Company Name: Omega Environmental Services, Inc.				Attention To: Accounts Payable			
Street: 280 Huyler Street				Street: 280 Huyler Street			
City: South Hackensack		State/Province: NJ		City: South Hackensack		State/Province: NJ	
Phone: 201-486-8700		Fax: 201-342-5412		Phone: 201-489-8700		Fax: 201-342-5412	
Project Name: 18-2700 - Headsort - <del>North</del> <u>Weston</u>				Email Results To: lab@omega-env.com			
Number of Samples in Shipment: 20				Date of Shipment: 2/15/18		Purchase Order:	
Standard Turnaround Time: <input checked="" type="checkbox"/> 2 Weeks				The following TAT's are subject to lab approval: <input type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day			
Failure to complete will hinder processing of samples				List Test(s) Needed			
Client Sample ID	Comp	Grab	Date/Time	Matrix W=Water S=Soil A=Air SL=Sludge O=Other	Preservative 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	Pb-ICP/MS 200.8	Comments
1- Kitchen Sink - FD		X	7:30 2/15/18	DW	2	X	
2- 11-11-FL		X		DW	2	X	
3- 11-11-FL		X		DW	2	X	
4- 11-11-FL		X		DW	2	X	
5- Office Next to Kitchen - FD		X		DW	2	X	
6- Office Next to Kitchen - FL		X		DW	2	X	
Released By (Signature) <i>W. Sealoff</i>				Date & Time		Received By	
				2/15/18			

Please indicate reporting requirements:  Results Only  Results and QC  Reduced Deliverables  Disk Deliverable  Other \_\_\_\_\_

Instructions or Comments: Analyze all first draw samples for each sampling point. If results are at or above 15 ppb for any first draw sample analyze the matching flush sample for that sampling point. FD=First Draw FL=Flush



EMISL ANALYTICAL, INC.  
LABORATORY PRODUCTS DIVISION

# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

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

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information **18-27001**

Client Sample ID	Comp Grab	Date/Time	Matrix		Preservative					List Test(s) Needed	Comments	
			W=Water S=Soil A=Air SL=Sludge O=Other		1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other							
7- <del>Class</del> 2011-1-Left-FD	X		DW		X							
8- <del>Class</del> 2011-Left-FD	X		DW		X							
9-11-Right-FD	X		DW		X							
10-11-11-FL	X		DW		X							
11-Gibson-FD	X		DW		X							
12-11-FL	X		DW		X							
13- <del>Class</del> 2011-Left-FD	X		DW		X							
14-11-Left-FL	X		DW		X							
15-11-Right-FD	X		DW		X							
16-11-11-FL	X		DW		X							
17-11-3-Left-FD	X		DW		X							
18-11-11-FL	X		DW		X							
19-11-Right-FD	X		DW		X							
20-11-11-FL	X		DW		X							
	X		DW		X							
	X		DW		X							
	X		DW		X							