



LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: Valentina Baldessarre
Archdiocese of Newark
171 Clifton Avenue
P.O. Box 9500
Newark, NJ 07104

SITE INVESTIGATED: St. Mary/Phoenix Center
17 Monsignor Owens Place
Nutley, NJ 07110

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

INVESTIGATION
CONDUCTED: 10/19/2021

DATE OF REPORT: 11/2/2021

(Omega Project # 21-26066)

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 Archdiocese of Newark requested representative lead in water testing of potable water outlets at St. Mary/Phoenix Center on 17 Monsignor Owens Place, Nutley, NJ, 07110.

Previous Testing (2/21/2017)

In order to assess the building water outlets, a full testing of all potable outlets was performed on February 21, 2017.

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

First draw and flush samples (30 second) were collected of 21 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. The associated flush samples were below 15 ppb.

Recent Testing (10/19/2021)

In order to comply with the *NJDEP Lead in Drinking Water at Schools Facilities (April 2021)* requirements, a full testing of all potable outlets was performed on October 19, 2021.

Reportedly the outlets were flushed the day prior to sampling.

The following outlets were out-of-service on the day of sampling:

- Outlet 18 – Basement Boy's Bathroom Faucet #4 (far right).
- Outlet 26 - Basement Boys Bathroom LM

The following outlets have been removed:

- Sub-Basement Girls Bathroom Water Fountain
- Sub-Basement Boys Bathroom Water Fountain
- Basement Water Fountain #1
- 1st Floor Water Fountain
- 2nd Floor Water Fountain

First draw and flush samples (30 second) were collected of 35 water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. One (1) first draw samples were above 15 ppb. The associated flush sample was below 15 ppb.

See Section 3 Discussion of Results

Applicable Corrective Action

The positive outlet should be taken out of service until remediation is performed and outlet re-tested.

Water Management/Plumbing Plan

A water management/plumbing plan has not been created for St. Mary/Phoenix Center.

RESULTS TABLE:

Sample #	Location	1 st draw (FD) or flush (FL)	Lead	
			Results (ppb)	LCR Action Level ⁽¹⁾ (ppb)
1 FD	(09) Dorm Room Sub Basement Bathroom Faucet	FD	3.84	15
2 FL	(09) Dorm Room Sub Basement Bathroom Faucet	FL	N/A	15
3 FD	(15) Basement Boys Bathroom Faucet #1 L	FD	1.57	15
4 FL	(15) Basement Boys Bathroom Faucet #1 L	FL	N/A	15
5 FD	(16) Basement Boys Bathroom Faucet #2 M	FD	9.55	15
6 FL	(16) Basement Boys Bathroom Faucet #2 M	FL	N/A	15
7 FD	(17) Basement Boys Bathroom Faucet #3 R	FD	5.20	15
8 FL	(17) Basement Boys Bathroom Faucet #3 R	FL	N/A	15
9 FD	(18) Basement Boys Bathroom Faucet #4	Not operational		
10 FL	(18) Basement Boys Bathroom Faucet #4	Not operational		
11 FD	Sub-Basement Girls Bathroom Water Fountain	No outlet - removed		
12 FL	Sub-Basement Girls Bathroom Water Fountain	No outlet - removed		
13 FD	Sub-Basement Boys Bathroom Water Fountain	No outlet - removed		
14 FL	Sub-Basement Girls Bathroom Water Fountain	No outlet - removed		
15 FD	(1) Sub-Basement Kitchen Faucet	FD	1.71	15
16 FL	(1) Sub-Basement Kitchen Faucet	FL	N/A	15
17 FD	Basement Water Fountain #1	No outlet - removed		
18 FL	Basement Water Fountain #1	No outlet - removed		
19 FD	(11) Basement Girls Bathroom Faucet #1 L	FD	5.54	15
20 FL	(11) Basement Girls Bathroom Faucet #1 L	FL	N/A	15
21 FD	(12) Basement Girls Bathroom Faucet #2 LM	FD	ND	15
22 FL	(12) Basement Girls Bathroom Faucet #2 LM	FL	N/A	15
23 FD	(13) Basement Girls Bathroom Faucet #3 RM	FD	3.96	15
24 FL	(13) Basement Girls Bathroom Faucet #3 RM	FL	N/A	15
25 FD	(14) Basement Girls Bathroom Faucet #4 R	FD	1.91	15
26 FL	(14) Basement Girls Bathroom Faucet #4 R	FL	N/A	15
27 FD	(15) Basement Teaching Kitchen Faucet R	FD	ND	15
28 FL	(15) Basement Teaching Kitchen Faucet R	FL	N/A	15
29 FD	(29) 1 st Floor Room 102 Bathroom Faucet (Guest)	FD	ND	15
30 FL	(29) 1 st Floor Room 102 Bathroom Faucet (Guest)	FL	N/A	15
31 FD	(32) 1 st Floor Nurse's Room Sink	FD	ND	15
32 FL	(32) 1 st Floor Nurse's Room Sink	FL	N/A	15
33 FD	(30) 1 st Floor Handicap Bathroom Faucet (Room 110)	FD	ND	15
34 FL	(30) 1 st Floor Handicap Bathroom Faucet (Room 110)	FL	N/A	15
35 FD	(31) 1 st Floor Left Side Bathroom Faucet (Room 110)	FD	ND	15
36 FL	(31) 1 st Floor Left Side Bathroom Faucet (Room 110)	FL	N/A	15
37 FD	1st Floor Water Fountain	No outlet - removed		
38 FL	1st Floor Water Fountain	No outlet - removed		
39 FD	2nd Floor Water Fountain	No outlet - removed		

40 FL	2nd Floor Water Fountain	No outlet - removed		
41 FD	(34) 2nd Floor Room 212 Bathroom Faucet	FD	1.13	15
42 FL	(34) 2nd Floor Room 212 Bathroom Faucet	FL	N/A	15
43 FD	(3) Sub-Basement Boy's Bathroom Faucet L	FD	ND	15
44 FL	(3) Sub-Basement Boy's Bathroom Faucet L	FL	N/A	15
45 FD	(4) Sub-Basement Boy's Bathroom Faucet R	FD	6.12	15
46 FL	(4) Sub-Basement Boy's Bathroom Faucet R	FL	N/A	15
47 FD	(6) Sub-Basement Girls Bathroom L	FD	8.88	15
48 FL	(6) Sub-Basement Girls Bathroom L	FL	N/A	15
49 FD	(7) Sub-Basement Girls Bathroom M	FD	2.04	15
50 FL	(7) Sub-Basement Girls Bathroom M	FL	N/A	15
51 FD	(8) Sub-Basement Girls Bathroom R	FD	1.97	15
52 FL	(8) Sub-Basement Girls Bathroom R	FL	N/A	15
53 FD	(10) Sub-Basement ALE Bathroom Faucet	FD	32.9	15
54 FL	(10) Sub-Basement ALE Bathroom Faucet	FL	ND	15
55 FD	(19) Basement Girls Bathroom Faucet L	FD	ND	15
56 FL	(19) Basement Girls Bathroom Faucet L	FL	N/A	15
57 FD	(20) Basement Girls Bathroom Faucet LM	FD	ND	15
58 FL	(20) Basement Girls Bathroom Faucet LM	FL	N/A	15
59 FD	(21) Basement Girls Bathroom Faucet RM	FD	ND	15
60 FL	(21) Basement Girls Bathroom Faucet RM	FL	N/A	15
61 FD	(22) Basement Girls Bathroom Faucet R	FD	1.38	15
62 FL	(22) Basement Girls Bathroom Faucet R	FL	N/A	15
63 FD	(23) Ladies Bathroom by Girls Room	FD	ND	15
64 FL	(23) Ladies Bathroom by Girls Room	FL	N/A	15
65 FD	(24A) Basement Teachers Kitchen L	FD	ND	15
66 FL	(24A) Basement Teachers Kitchen L	FL	N/A	15
67 FD	(25) Basement Boys Bathroom L	FD	ND	15
68 FL	(25) Basement Boys Bathroom L	FL	N/A	15
69 FD	(26) Basement Boys Bathroom LM	Not operational		
70 FL	(26) Basement Boys Bathroom LM	Not operational		
71 FD	(27) Basement Boys Bathroom RM	FD	ND	15
72 FL	(27) Basement Boys Bathroom RM	FL	N/A	15
73 FD	(28) Basement Boys Bathroom R	FD	ND	15
74 FL	(28) Basement Boys Bathroom R	FL	N/A	15
75 FD	(33) Room 113 Faucet	FD	ND	15
76 FL	(33) Room 113 Faucet	FL	N/A	15
77 FD	(35) 2nd Fl Art Room	FD	ND	15
78 FL	(35) 2nd Fl Art Room	FL	N/A	15
79 FB	Field 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

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.

Flush Samples – After the 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, Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

One (1) first draw sample results were above 15 ppb but associated flush samples results were below 15 ppb. This indicates the source of lead is related to the fixture itself, not in the main building plumbing.

4 RECOMMENDATIONS:

Short term:

- Take the outlets with elevated results out of service.
- Since the outlet with elevated results is a bathroom sink, signs may be posted stating “Do Not Drink – Handwashing Only”.
- Conduct further evaluation, flushing, and testing of outlets with elevated results. Cleaning and/or replacing the aerator may reduce the levels.

Contact Omega Environmental to discuss specific recommendations.

Long Term:

- If additional testing shows similar results (first draw results above 15 ppb) consider replacing the spout of the outlet (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



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Attn:

Lab

**Omega Environmental Services
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10/28/2021

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/20/2021. The results are tabulated on the attached data pages for the following client designated project:

Arch of Newark St/ Mary's Phoenix Center / 21-26066

The reference number for these samples is EMSL Order #012111936. 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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 CustomerPO: 21-26066
 ProjectID:

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Omega Environmental Services
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Phone: (201) 489-8700
 Fax: (201) 489-8797
 Received: 10/20/2021 09:00 AM

Project: Arch of Newark St/ Mary's Phoenix Center / 21-26066

Analytical Results

Client Sample Description		1FD (09) Dorm Room Sub Basement Bathroom Faucet	Collected:	10/19/2021	Lab ID:	012111936-0001	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	3.84	1.00 µg/L	10/21/2021	IC	10/21/2021 18:07	VD
Client Sample Description		3FD (15) Basement Boys Bathroom Faucet #1 L	Collected:	10/19/2021	Lab ID:	012111936-0003	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	1.57	1.00 µg/L	10/21/2021	IC	10/21/2021 18:12	VD
Client Sample Description		5FD (16) Basement Boys Bathroom Faucet #2 M	Collected:	10/19/2021	Lab ID:	012111936-0005	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	9.55	1.00 µg/L	10/21/2021	IC	10/21/2021 18:13	VD
Client Sample Description		7FD (17) Basement Boys Bathroom Faucet #3 R	Collected:	10/19/2021	Lab ID:	012111936-0007	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	5.20	1.00 µg/L	10/21/2021	IC	10/21/2021 18:18	VD
Client Sample Description		15FD (1) Sub-Basemnt Kitchen Faucet	Collected:	10/19/2021	Lab ID:	012111936-0009	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	1.71	1.00 µg/L	10/21/2021	IC	10/21/2021 18:19	VD

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Analytical Results

Client Sample Description		19FD (11) Basement Girls Bathroom Faucet #1 L	Collected:	10/19/2021	Lab ID:	012111936-0011	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	5.54	1.00 µg/L	10/21/2021	IC	10/21/2021 18:20	VD
Client Sample Description		21FD (12) Basement Girls Bathroom Faucet #2 LM	Collected:	10/19/2021	Lab ID:	012111936-0013	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	ND	1.00 µg/L	10/21/2021	IC	10/21/2021 18:22	VD
Client Sample Description		23FD (13) Basement Girls Bathroom Faucet #3 RM	Collected:	10/19/2021	Lab ID:	012111936-0015	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	3.96	1.00 µg/L	10/21/2021	IC	10/21/2021 18:23	VD
Client Sample Description		25FD (14) Bathroom Girls Bathroom Faucet #4 R	Collected:	10/19/2021	Lab ID:	012111936-0017	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	1.91	1.00 µg/L	10/21/2021	IC	10/21/2021 18:25	VD
Client Sample Description		27FD (15) Basement Teaching Kitchen Faucet	Collected:	10/19/2021	Lab ID:	012111936-0019	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	ND	1.00 µg/L	10/21/2021	IC	10/21/2021 18:32	VD

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Project: Arch of Newark St/ Mary's Phoenix Center / 21-26066

Analytical Results

Client Sample Description		29FD (29) 1st Floor Room 102 Bathroom Faucet (Guest)	Collected:	10/19/2021	Lab ID:	012111936-0021	
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst
METALS							
200.8	Lead	ND	1.00 µg/L		10/21/2021 IC	10/21/2021 18:34	VD
Client Sample Description		31FD (32) 1st Floor Nurse's Room Sink	Collected:	10/19/2021	Lab ID:	012111936-0023	
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst
METALS							
200.8	Lead	ND	1.00 µg/L		10/21/2021 IC	10/21/2021 18:35	VD
Client Sample Description		33FD (30) 1st Floor Handicap Bathroom Faucet (Room 110)	Collected:	10/19/2021	Lab ID:	012111936-0025	
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst
METALS							
200.8	Lead	ND	1.00 µg/L		10/21/2021 IC	10/21/2021 20:11	VD
Client Sample Description		35FD (31) 1st Floor Left Side Bathroom Faucet (Room 110)	Collected:	10/19/2021	Lab ID:	012111936-0027	
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst
METALS							
200.8	Lead	ND	1.00 µg/L		10/21/2021 IC	10/21/2021 20:18	VD
Client Sample Description		41FD (34) 2nd Floor Room 212 Bathroom Faucet	Collected:	10/19/2021	Lab ID:	012111936-0029	
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst
METALS							
200.8	Lead	1.13	1.00 µg/L		10/21/2021 IC	10/21/2021 20:20	VD

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Page 4 of 8

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Project: Arch of Newark St/ Mary's Phoenix Center / 21-26066

Analytical Results

Client Sample Description		43FD (3) Sub-basemnet Boy's Bathroom Faucet L	Collected:	10/19/2021	Lab ID:	012111936-0031	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	ND	1.00 µg/L	10/21/2021	IC	10/21/2021 20:21	VD
Client Sample Description		45FD (4) Sub-basemnet Boy's Bathroom Faucet R	Collected:	10/19/2021	Lab ID:	012111936-0033	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	8.12	1.00 µg/L	10/21/2021	IC	10/21/2021 20:22	VD
Client Sample Description		47FD (6) Sub-basement Girls Bathroom L	Collected:	10/19/2021	Lab ID:	012111936-0035	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	8.88	1.00 µg/L	10/21/2021	IC	10/21/2021 20:24	VD
Client Sample Description		49FD (7) Sub-basement Girls Bathroom M	Collected:	10/19/2021	Lab ID:	012111936-0037	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	2.04	1.00 µg/L	10/21/2021	IC	10/21/2021 20:25	VD
Client Sample Description		51FD (8) Sub-basement Girls Bathroom R	Collected:	10/19/2021	Lab ID:	012111936-0039	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	1.97	1.00 µg/L	10/22/2021	IC	10/22/2021 19:15	JW

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Project: Arch of Newark St/ Mary's Phoenix Center / 21-26066

Analytical Results

Client Sample Description		53FD (10) Sub-Basemnt ALE Bathroom Faucet	Collected: 10/19/2021		Lab ID: 012111936-0041
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	32.9	1.00 µg/L	10/22/2021 IC	10/22/2021 JW 19:17
Client Sample Description		54FL (10) Sub-Basemnt ALE Bathroom Faucet	Collected: 10/19/2021		Lab ID: 012111936-0042
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/26/2021 JW	10/26/2021 JW 20:33
Client Sample Description		55FD (19) Basement Girls Bathroom Faucet L	Collected: 10/19/2021		Lab ID: 012111936-0043
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:27
Client Sample Description		57FD (20) Basement Girls Bathroom Faucet LM	Collected: 10/19/2021		Lab ID: 012111936-0045
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:28
Client Sample Description		59FD (21) Basement Girls Bathroom Faucet RM	Collected: 10/19/2021		Lab ID: 012111936-0047
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:33

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Received: 10/20/2021 09:00 AM

Project: Arch of Newark St/ Mary's Phoenix Center / 21-26066**Analytical Results**

Client Sample Description 61FD (22) Basement Girls Bathroom Faucet R		Collected: 10/19/2021		Lab ID: 012111936-0049	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.38	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:34
Client Sample Description 63FD (23) Ladies Bathroom by Girls Rm		Collected: 10/19/2021		Lab ID: 012111936-0051	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:39
Client Sample Description 65FD (24A) Basement Teachers Kitchen L		Collected: 10/19/2021		Lab ID: 012111936-0053	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:40
Client Sample Description 67FD (25) Basement Boys Bathroom L		Collected: 10/19/2021		Lab ID: 012111936-0055	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:42
Client Sample Description 71FD (27) Basement Boys Bathroom RM		Collected: 10/19/2021		Lab ID: 012111936-0057	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:43

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280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
Fax: (201) 489-8797
Received: 10/20/2021 09:00 AM

Project: Arch of Newark St/ Mary's Phoenix Center / 21-26066

Analytical Results

Client Sample Description 73FD (28) Basement Boys Bathroom R		Collected: 10/19/2021		Lab ID: 012111936-0059	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 10:59
Client Sample Description 75FD (33) Room 113 Faucet		Collected: 10/19/2021		Lab ID: 012111936-0061	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:00
Client Sample Description 77FD (35) 2nd Fl Art Room		Collected: 10/19/2021		Lab ID: 012111936-0063	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:02
Client Sample Description 79FB Field Blank		Collected: 10/19/2021		Lab ID: 012111936-0065	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	10/21/2021 IC	10/21/2021 VD 20:03

Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

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

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



Lead Chain of Custody
EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
EMSL
CINNAMINSON, NJ 08077
220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

012111936

Customer Information		Billing Information	
Customer ID: _____		Billing ID: 21 OCT 19 PM 8:09	
Company Name: Omega Environmental		Company Name: Omega Environmental	
Contact Name: _____		Billing Contact: _____	
Street Address: 280 Huyler Street		Street Address: 280 Huyler Street	
City, State, Zip: S. Hackensack, NJ 07606		City, State, Zip: S. Hackensack, NJ 07606	
Country: USA		Country: USA	
Phone: 201-489-8700		Phone: 201-489-8700	
Email(s) for Report: Lab@omega-env.com		Email(s) for Invoice: ep@omega-env.com	
Project Information			
Project Name: Arch of Newark/ St Mary's Phoenix Center / 21-26066			
EMSL LIMS Project ID: _____		Purchase Order: _____	
US State where samples collected: NJ		State of Connecticut (CT) must select project location: Commercial (Taxable) ☐ Residential (Non-Taxable) ☐	
Sampled By Name: David Ekstrand		Sampled By Signature: _____	
Turn-Around-Time (TAT):		No. of Samples in Shipment: 8765	
☐ 3 Hour ☐ 8 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 86 Hour ☐ 1 Week ☒ 2 Week			
Please call ahead for large projects and/or turnaround times 8 hours or longer. 72 Hour TAT available for select tests only. Samples must be submitted by 11:30am.			
MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT
CHPS ☐ by GC ☐ by bagged ☐ by bagged	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)
Reporting Limit based on a minimum 0.25g sample weight	SW 846-80100*	ICP-OES	0.0004% (4ppm)
	NIOSH 7082	Flame Atomic Absorption	4µg/filter
AIR	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter
WVPE ☐ AEM ☐ non-AEM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe
If no box is checked, non-AEM Wipe is assumed	SW 846-80100	ICP-OES	1.0µg/wipe
TCUP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1311 / SW 846-80100*	ICP-OES	0.1 mg/L (ppm)
SLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1312 / SW 846-80100*	ICP-OES	0.1 mg/L (ppm)
TLUC	22 CCR App. II, 7600B	Flame Atomic Absorption	40mg/kg (ppm)
	22 CCR App. II, SW 846-80100*	ICP-OES	2mg/kg (ppm)
STUC	22 CCR App. II, 7600B	Flame Atomic Absorption	0.4 mg/L (ppm)
	22 CCR App. II, SW 846-80100*	ICP-OES	0.1 mg/L (ppm)
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)
	SW 846-80100*	ICP-OES	2mg/kg (ppm)
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
Unpreserved			
Preserved with HNO3 ☐ PH+2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)
Unpreserved			
Preserved with HNO3 ☒ PH+2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TS/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter
Other: _____			
Sample Number	Sample Location	Volume / Area	Date / Time Sampled
Samples begin on the following page			
Method of Shipment		Sample Condition Upon Receipt	
Requisitioned by: <i>[Signature]</i>		Requisitioned by: <i>[Signature]</i>	
Date/Time: 10/19		Date/Time: 10/19-21 8:00p	
Requisitioned by: _____		Requisitioned by: <i>[Signature]</i>	
Date/Time: _____		Date/Time: 10/20/21 9:00am	

Consent Document: 500-20 Lead R14 4/16/2011
*NO TOC Available Upon Request
☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)
EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Subsignature of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

EMSL ANALYTICAL, INC.
200 ROUTE 190 NORTH
CHERRYHILL, NJ 08037

012111936
Lead Chain of Custody
EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 190 North
Cherryhill, NJ 08037

RECEIVED
EMSL
PHONE: (800) 225-9876
CHERRYHILL, NJ
www.emsl.com

Only test Flush Sample if the corresponding First Draw Sample Result > 15µg/L
St. Mary's Phoenix Center 21-26066

21 OCT 19 PM 8:09

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	Notes
1	✓ 1 FD (09) Dorm Room Sub Basement Bathroom Faucet	250 mL	10/19	
2	✓ 2 FL (09) Dorm Room Sub Basement Bathroom Faucet	250 mL	10/19	
3	✓ 3 FD (15) Basement Boys Bathroom Faucet #1 L	250 mL	10/19	
4	✓ 4 FL (15) Basement Boys Bathroom Faucet #1 L	250 mL	10/19	
5	✓ 5 FD (16) Basement Boys Bathroom Faucet #2 M	250 mL	10/19	
6	✓ 6 FL (16) Basement Boys Bathroom Faucet #2 M	250 mL	10/19	
7	✓ 7 FD (17) Basement Boys Bathroom Faucet #3 R	250 mL	10/19	
8	✓ 8 FL (17) Basement Boys Bathroom Faucet #3 R	250 mL	10/19	
9	✓ 9 FD (18) Basement Boys Bathroom Faucet #4	250 mL	10/19	Not Working
10	✓ 10 FL (18) Basement Boys Bathroom Faucet #4	250 mL	10/19	Not Working
11	✓ 11 FD Sub-Basement Girls Bathroom Water Fountain	250 mL	10/19	No Outlet - removed
12	✓ 12 FL Sub-Basement Girls Bathroom Water Fountain	250 mL	10/19	No Outlet - removed
13	✓ 13 FD Sub-Basement Boys Bathroom Water Fountain	250 mL	10/19	No Outlet - removed
14	✓ 14 FL Sub-Basement Boys Bathroom Water Fountain	250 mL	10/19	No Outlet - removed
15	✓ 15 FD (1) Sub-Basement Kitchen Faucet	250 mL	10/19	
16	✓ 16 FL (1) Sub-Basement Kitchen Faucet	250 mL	10/19	
17	✓ 17 FD Basement Water Fountain #1	250 mL	10/19	No Outlet - removed
18	✓ 18 FL Basement Water Fountain #1	250 mL	10/19	No Outlet - removed

Order ID: 012111936

Signature
Date
10/19

Order Time
10/19

Received By
Received By

Order Time
Order Time



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

012111936
Lead Chain of Custody
EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Chinahood, NJ 08077

RECEIVED
EMSL
PHONE: (800) 220-3873
CINNAMINSON, NJ
Email: info@emsl.com

Only test Flush Sample if the corresponding First Draw Sample Result > 16µg/L
St. Mary's Pkocent Center 21-26066

21 OCT 19 PM 8:10

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	Notes
✓ 19 FD	(11) Basement Girls Bathroom Faucet #1 L	250 mL	10/19	
✓ 20 FL	(11) Basement Girls Bathroom Faucet #1 L	250 mL	10/19	
✓ 21 FD	(12) Basement Girls Bathroom Faucet #2 LM	250 mL	10/19	
✓ 22 FL	(12) Basement Girls Bathroom Faucet #2 LM	250 mL	10/19	
✓ 23 FD	(13) Basement Girls Bathroom Faucet #3 RM	250 mL	10/19	
✓ 24 FL	(13) Basement Girls Bathroom Faucet #3 RM	250 mL	10/19	
✓ 25 FD	(14) Basement Girls Bathroom Faucet #4 R	250 mL	10/19	
✓ 26 FL	(14) Basement Girls Bathroom Faucet #4 R	250 mL	10/19	
✓ 27 FD	(15) Basement Teaching Kitchen Faucet R	250 mL	10/19	
✓ 28 FL	(15) Basement Teaching Kitchen Faucet R	250 mL	10/19	
✓ 29 FD	(29) 1 st Floor Room 102 Bathroom Faucet (Guest)	250 mL	10/19	
✓ 30 FL	(29) 1 st Floor Room 102 Bathroom Faucet (Guest)	250 mL	10/19	
✓ 31 FD	(32) 1 st Floor Nurse's Room Sink	250 mL	10/19	
✓ 32 FL	(32) 1 st Floor Nurse's Room Sink	250 mL	10/19	
✓ 33 FD	(30) 1 st Floor Handicap Bathroom Faucet (Room 110)	250 mL	10/19	
✓ 34 FL	(30) 1 st Floor Handicap Bathroom Faucet (Room 110)	250 mL	10/19	
✓ 35 FD	(31) 1 st Floor Left Side Bathroom Faucet (Room 110)	250 mL	10/19	
✓ 36 FL	(31) 1 st Floor Left Side Bathroom Faucet (Room 110)	250 mL	10/19	

OrderID: 012111936

Prepared by: *D. Egan* Date/Time: 10/19/19
Reviewed by: _____ Date/Time: _____
Sample Container Label Number: _____

EMSL ANALYTICAL, INC.
200 Route 100 North
Cherry Hill, NJ 08007



Lead Chain of Custody
Enter Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 100 North
Cherry Hill, NJ 08007

RECEIVED
EMSL
21 OCT 19 PM 8:10
GIRINAKINSOHN, NJ
Phone: (800) 250-5075
Email: emsl@emsl.com

012111936

14

Only Test Flush Sample if the corresponding First Draw Sample Result > 15ppb/L
St. Mary's Phoenix Center 21-26066

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	Notes
X 37 FL	3 rd Floor Water Fountain	250 mL	10/19	No Outlet - removed
X 38 FL	3 rd Floor Water Fountain	250 mL	10/19	No Outlet - removed
X 39 FD	2 nd Floor Water Fountain	250 mL	10/19	No Outlet - removed
X 40 FL	2 nd Floor Water Fountain	250 mL	10/19	No Outlet - removed
✓ 41 FD	(34) 2 nd Floor Room 212 Bathroom Faucet	250 mL	10/19	
✓ 42 FL	(34) 2 nd Floor Room 212 Bathroom Faucet	250 mL	10/19	
✓ 43 FD	(3) Sub-basement Boy's Bathroom Faucet L	250 mL	10/19	
✓ 44 FL	(3) Sub-basement Boy's Bathroom Faucet L	250 mL	10/19	
✓ 45 FD	(4) Sub-basement Boy's Bathroom Faucet R	250 mL	10/19	
✓ 46 FL	(4) Sub-basement Boy's Bathroom Faucet R	250 mL	10/19	
✓ 47 FD	(6) Sub-basement Girls Bathroom L	250 mL	10/19	
✓ 48 FL	(6) Sub-basement Girls Bathroom L	250 mL	10/19	
✓ 49 FD	(7) Sub-basement Girls Bathroom M	250 mL	10/19	
✓ 50 FL	(7) Sub-basement Girls Bathroom M	250 mL	10/19	
✓ 51 FD	(8) Sub-basement Girls Bathroom R	250 mL	10/19	
✓ 52 FL	(8) Sub-basement Girls Bathroom R	250 mL	10/19	
✓ 53 FD	(10) Sub-basement ALE Bathroom Faucet	250 mL	10/19	
✓ 54 FL	(10) Sub-basement ALE Bathroom Faucet	250 mL	10/19	

Order ID: 012111936



EMSL ANALYTICAL, INC.
10000 C&D DRIVE, SUITE 100
CHESAIRE, NJ 08007

Lead Chain of Custody
EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Chesire, NJ 08007

RECEIVED
EMSL
PHONE: (909) 220-8875
CHESAIRE, NJ 08007
CHESAIRE, NJ 08007

Only test Flush Sample if the corresponding First Draw Sample Result > 15µg/L
St. Mary's Picoch Center 21-26066

21 OCT 19 PM 8:10

Sample Number	Sample Location	Volume / A.M.	Date / Time Sampled	Notes
✓ 55 FD	(19) Basement Girls Bathroom Faucet L	250 mL	10/19	
✓ 56 FL	(19) Basement Girls Bathroom Faucet L	250 mL	10/19	
✓ 57 FD	(20) Basement Girls Bathroom Faucet LM	250 mL	10/19	
✓ 58 FL	(20) Basement Girls Bathroom Faucet LM	250 mL	10/19	
✓ 59 FD	(21) Basement Girls Bathroom Faucet RM	250 mL	10/19	
✓ 60 FL	(21) Basement Girls Bathroom Faucet RM	250 mL	10/19	
✓ 61 FD	(22) Basement Girls Bathroom Faucet R	250 mL	10/19	
✓ 62 FL	(22) Basement Girls Bathroom Faucet R	250 mL	10/19	
✓ 63 FD	(23) Ladies Bathroom by Girls Rm	250 mL	10/19	
✓ 64 FL	(23) Ladies Bathroom by Girls Rm	250 mL	10/19	
✓ 65 FD	(24A) Basement Teachers Kitchen L	250 mL	10/19	
✓ 66 FL	(24A) Basement Teachers Kitchen L	250 mL	10/19	
✓ 67 FD	(25) Basement Boys Bathroom L	250 mL	10/19	
✓ 68 FL	(25) Basement Boys Bathroom L	250 mL	10/19	
✓ 69 FD	(26) Basement Boys Bathroom LM	250 mL	10/19	
✓ 70 FL	(26) Basement Boys Bathroom LM	250 mL	10/19	
✓ 71 FD	(27) Basement Boys Bathroom RM	250 mL	10/19	
✓ 72 FL	(27) Basement Boys Bathroom RM	250 mL	10/19	

OrderID: 012111936

Signature
Date/Time
10/19

Date/Time
10/19

Received by
Date/Time

Date/Time

Date/Time

Date/Time

Date/Time



EMSCI Analytical, Inc.
200 Route 139 North
Cherryton, NJ 08027

RECEIVED BY PHONE: (202) 220-5678
EMAIL: Comments@ic.fda.gov

Request Your Sample Results > 15min!

Only test Flush Sample if the corresponding First Draw Sample Result > 15µg/L
St. Mary's Phoenix Center 21-26066

21 OCT 19 PM 8:40

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	Notes
5A ✓ T3 FD	(34) Basement Boys Bathroom	250 mL	10/19	
60 ✓ T4 FL	(30) Basement Boys Bathroom R	250 mL	10/19	
61 ✓ T5 FD	(33) Room 113 Faucet	250 mL	10/19	
62 ✓ T6 FL	(35) Room 113 Faucet	250 mL	10/19	
63 ✓ T7 FL	(35) 2nd Fl Att Room	250 mL	10/19	
64 ✓ T8 FL	(35) 2nd Fl Att Room	250 mL	10/19	
65 ✓ T9 FL	First Bath	250 mL	10/19	

OrderID: 012111936

Requester's Signature		Sergeant Candidate's Name	
Requested by: <i>[Signature]</i> Date/TIME: <i>11/19</i>	Received By:	Date/TIME:	