



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: Nativity/ Paradigm School
321 Prospect Street
Midland Park, NJ 07432

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

INVESTIGATION
CONDUCTED: 8/2/2024

DATE OF REPORT: 9/12/2024

(Omega Project # 24-07-3090)

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EXECUTIVE SUMMARY:

The Archdiocese of Newark requested representative lead in water testing of potable water outlets at Nativity/Paradigm School 321 Prospect Park Street, Midland Park, NJ, 07432.

Previous Testing

(8/20/2021)

In order to further assess the building water outlets a testing of representative potable outlets was performed on August 20, 2021.

Reportedly the outlets were flushed the day prior to sampling.

First draw and flush samples (30 second) were collected of 31 water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Three (3) first draw samples were above 15 ppb. The associated flush samples were below 15 ppb.

Recent Testing (8/2/2024)

In order to further assess the building water outlets a testing of representative potable outlets was performed on August 2nd, 2024.

Reportedly the outlets were flushed the day prior to sampling.

First draw and flush samples (30 second) were collected at 13 water fountains and sinks.

All first draw results were below the Lead and Copper action level of 15 µg/L. Flush samples are not analyzed when first draw <15 µg/L.

See Section 3 Discussion of Results

1 RESULTS TABLE:

Sample #	Location	1 st draw (FD) or flush (FL)	Lead	
			Results (µg/L)	LCR Action Level ⁽¹⁾ (µg/L)
1	Gym Kitchen Sink	FD	4.46	15
3	Room 123 Sink	FD	ND	15
5	Room 121 Sink	FD	ND	15
7	Room 119 Sink	FD	ND	15
9	Kitchen Faucet Room 11	FD	ND	15
11	Room 109 Sink	FD	2.88	15
13	Room 104 Sink	FD	2.43	15
15	Room 106 Sink	FD	ND	15
17	Room 108 Sink	FD	4.08	15
19	Room 120 Sink	FD	2.17	15
21	Room 122 Sink	FD	ND	15
23	Field Blank	FB	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 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 NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

All first draw results were below the Lead and Copper action level of 15 $\mu\text{g/L}$.

4 RECOMMENDATIONS:

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.

A. Lead in Water Laboratory Reports

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

EMSL Order ID: 012425764
LIMS Reference ID: AC25764
EMSL Customer ID: OMEG50

Attention: Tom Givnish
Omega Environmental Services [OMEG50]
280 Huyler Street
South Hackensack, NJ 07606
(201) 489-8700
tomg@omega-env.com

Project Name: Nativity / Paradigm School / 24-07-3090

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 08/05/2024 12:30
Reported: 08/29/2024 13:37

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 1 FD/Gym / Kitchen Sink Lims Reference ID: AC25764-01 Matrix: Drinking Water Sampled: 08/02/24 11:05:00									
Metals									
Lead	4.46		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:42	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 3 FD/Room 123 Sink Lims Reference ID: AC25764-03 Matrix: Drinking Water Sampled: 08/02/24 11:10:00									
Metals									
Lead	ND		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:44	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 5 FD/Room 121 Sink Lims Reference ID: AC25764-05 Matrix: Drinking Water Sampled: 08/02/24 11:15:00									
Metals									
Lead	ND		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:46	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 7 FD/Room 119 Sink Lims Reference ID: AC25764-07 Matrix: Drinking Water Sampled: 08/02/24 11:20:00									
Metals									
Lead	ND		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:48	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 9 FD/Kitchen Faucet Room 11 Lims Reference ID: AC25764-09 Matrix: Drinking Water Sampled: 08/02/24 11:25:00									
Metals									
Lead	ND		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:50	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 11 FD/Room 109 Sink Lims Reference ID: AC25764-11 Matrix: Drinking Water Sampled: 08/02/24 11:31:00									
Metals									
Lead	2.88		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:52	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 13 FD/Room 104 Sink Lims Reference ID: AC25764-13 Matrix: Drinking Water Sampled: 08/02/24 11:35:00									
Metals									
Lead	2.43		1	1.00	µg/L	08/14/24 13:08	08/18/24 14:54	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 15 FD/Room 106 Sink Lims Reference ID: AC25764-15 Matrix: Drinking Water Sampled: 08/02/24 11:40:00									
Metals									
Lead	ND		1	1.00	µg/L	08/14/24 13:08	08/18/24 15:06	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: 17 FD/Room 108 Sink Lims Reference ID: AC25764-17 Matrix: Drinking Water Sampled: 08/02/24 11:45:00									
Metals									
Lead	4.08		1	1.00	µg/L	08/14/24 13:08	08/18/24 15:08	LXK	EPA 200.8 (DA)/EPA 200.8

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Analytical Results
(Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 19 FD/Room 120 Sink Lims Reference ID: AC25764-19 Matrix: Drinking Water Sampled: 08/02/24 11:51:00									
Metals									
Lead	2.17		1	1.00	µg/L	08/15/24 15:52	08/20/24 09:53	LJK	EPA 200.8 (DA)/EPA 200.8
Sample: 21 FD/Room 122 Sink Lims Reference ID: AC25764-21 Matrix: Drinking Water Sampled: 08/02/24 11:57:00									
Metals									
Lead	ND		1	1.00	µg/L	08/15/24 15:52	08/20/24 09:59	LJK	EPA 200.8 (DA)/EPA 200.8
Sample: 23 FB Lims Reference ID: AC25764-23 Matrix: Drinking Water Sampled: 08/02/24 12:45:00									
Metals									
Lead	ND		1	1.00	µg/L	08/15/24 15:52	08/20/24 10:01	LJK	EPA 200.8 (DA)/EPA 200.8



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Work Order Case Narrative

Revised report- Project description corrected. (Initial report 8/21/2024)

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Certified Analyses included in this Report

Analyte	Certifications
EPA 200.8 in Drinking Water	
Lead	NJDEP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2024
NYSDOH	New York State Department of Health	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2024
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2024
California ELAP	California Water Boards	1877	06/30/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.

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Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

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EMSL ANALYTICAL, INC.
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Lead Chain of Custody

EMSL Order Number / Lab Use Only

AC05764

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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name: Omega Environmental Services		Company Name: Omega Environmental Services	
Contact Name: Tom Givnish		Billing Contact:	
Street Address: 280 Huyler Street		Street Address: 280 Huyler Street	
City, State, Zip: South Hackensack, NJ 07606 Country: USA		City, State, Zip: South Hackensack, NJ 07606 Country: USA	
Phone: 201-489-8700		Phone: 201-489-8700	
Email(s) for Report: lab@omega-env.com/tomg@omega-env.com		Email(s) for Invoice: ap@omega-env.com	
Project Information			
Project Name/No: Nativity/Paradigm School 24-07-3090		Purchase Order:	
EMSL LIMS Project ID: (if applicable, EMSL will provide)		State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)	
Sampled By Name: Luke Antoci		Sampled By Signature: [Signature] No. of Samples in Shipment: 2303	
Turn-Around-Time (TAT)			
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☒ 2 Week			
Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.			
MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm ²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)
Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D	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
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe
TCLP	SW 846-1311 / SW 846-6010D*	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
SPLP	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
Unpreserved			
Preserved with HNO ₃ ☐ 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 HNO ₃ ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/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. *Only analyze Flush samples if its corresponding First Draw sample is >15 PPB.			
Method of Shipment:			
Relinquished by: [Signature]		Sample Condition Upon Receipt:	
Date/Time: 8/2/24 12:45 PM		Received by: [Signature]	
Relinquished by: [Signature]		Date/Time: 8/5/24 10	

Controlled Document - CCC-25 Lead R16 4/19/2021

*6010C 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. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Received/Preserved Page 1 of 2



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Lead Chain of Custody

EMSL Order Number / Lab Use Only

ACQ5764

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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

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

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1 FD	Gym/Kitchen Sink	250 mL	8/2/24 11:05 am
2 FL	↓		11:07
3 FD	room 123 sink		11:10
4 FL	↓		11:12
5 FD	room 121 sink		11:15
6 FL	↓		11:17
7 FD	room 119 sink		11:20
8 FL	↓		11:22
9 FD	Kitchen faucet room 11		11:25
10 FL	↓		11:27
11 FD	room 109 sink		11:31
12 FL	↓		11:33
13 FD	room 104 sink		11:35
14 FL	↓		11:37
15 FD	room 106 sink ↓		11:40
16 FL			11:42
17 FD	room 108 sink ↓		11:45
18 FL			11:48
19 FD	room 120 sink ↓		11:57
20 FL			11:53
21 FD	room 122 sink ↓		11:57
22 FL			11:59
23 FB			↓ 12:45 pm

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by:

Date/Time:

Received by:

Date/Time

Relinquished by:

Date/Time:

Received by:

Date/Time

Controlled Document - COC-35 Lead R16 4/19/2021



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. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.