



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: Perpetual Help Day Nursery School
170 Broad Street
Newark, NJ 07104

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

INVESTIGATION
CONDUCTED: 10/4/2024

DATE OF REPORT: 10/22/2024 (Amended 11/29/2024)

(Omega Project # 24-10-3296)

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EXECUTIVE SUMMARY:

The Archdiocese of Newark requested representative lead in water testing of potable water outlets at Perpetual Help Day Nursery School located at 170 Broad Street, Newark, NJ 07104.

Previous Testing

On October 12, 2018, Omega performed full testing of all potable outlets in order to assess the building.

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

First draw and flush samples (30 second) were collected at 10 water fountains and sinks.

See report dated November 7, 2018.

Two (2) first draw samples were above 15 ppb for lead. The associated flush samples were below 15 ppb.

In order to assess the building water outlets, follow-up testing of representative potable outlets was performed on September 21, 2021.

In accordance with the building representative's request, fountains were not sampled during this event. Fountains have been taken out of service temporarily due to covid-19 concerns.

Reportedly the outlets were flushed the day prior to sampling.

First draw and flush samples (30 seconds) were collected at 8 sinks.

All first draw results were below the Lead action level of 15 ppb. Flush samples are not analyzed when corresponding first draw is <15 ppb.

See report dated 10/6/2021

Follow-up Current Testing

In order to assess the building water outlets, follow-up testing of representative potable outlets was performed on October 4, 2024.

First draw and flush samples (30 second) were collected at 5 water fountains and sinks.

Results of all (5-out-of-5 total samples) first draw samples analyzed were below the Lead action level of 15 ppb and below the Copper action level of 1,300 ppb. Flush samples are not analyzed when corresponding first draw is <15 ppb.

See Section 3 Discussion of Results

Applicable Corrective Action

No corrective action is recommended at this time.

Water Management/Plumbing Plan

A water management/plumbing plan has been created for Our Lady of Perpetual Help (2022).

1 RESULTS TABLE:

| Sample # | Location | 1 st draw (FD) or flush (FL) | Lead | | Copper | |
|----------|---|---|---------------------|--|-----------------------|--|
| | | | Lead Results (µg/L) | LCR Action Level ⁽¹⁾ (µg/L) | Copper Results (µg/L) | LCR Action Level ⁽¹⁾ (µg/L) |
| 1 FD | 1 st Floor – Infirmary Nurse's Sink | FD | 3.62 | 15 | 99 | 1,300 |
| 3 FD | 1 st Floor – Kitchen Double Sink | FD | ND | 15 | 54 | 1,300 |
| 5 FD | 1 st Floor – Kitchen Handwash Sink | FD | ND | 15 | 73 | 1,300 |
| 7 FD | 1 st Floor – Girl's BR Water Fountain | FD | 1.05 | 15 | 110 | 1,300 |
| 9 FD | 2 nd Floor – 2 nd Bathroom Sink From the Left | FD | ND | 15 | 42 | 1,300 |
| 11 FB | Field Blank | FB | ND | ND | ND | 1,300 |

⁽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)

FB – Field Blank

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 (HNO₃) 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. in Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

All five (5) First Draw samples were below the Lead action level of 15 ppb and below the Copper action level of 1,300 ppb.

4 RECOMMENDATIONS:

Short term:

- There are no short term recommendations at this time

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 and Copper 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: 012433228
LIMS Reference ID: AC33228
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: 24-10-3296/Perpetual Help Day Nursery

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 10/07/2024 09:00
Reported: 11/06/2024 21:31

Analytical Results

| Analyte | Result | Q | DF | RL | Units | Prepared Date/Time | Analyzed Date/Time | Analyst Initials | Prep /Analytical Method |
|--|--------|---|----|------|-------|--------------------|--------------------|------------------|--------------------------|
| Sample: 01 FD/1st FI - Infirmary Nurse's Sink Lims Reference ID: AC33228-01 Matrix: Drinking Water Sampled: 10/04/24 06:35:00 | | | | | | | | | |
| Metals | | | | | | | | | |
| Copper | 99 | | 1 | 35 | µg/L | 10/18/24 09:30 | 10/18/24 12:36 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Lead | 3.62 | | 1 | 1.00 | µg/L | 10/18/24 09:30 | 10/18/24 12:36 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Sample: 03 FD/1st FI - Kitchen Double Sink Lims Reference ID: AC33228-03 Matrix: Drinking Water Sampled: 10/04/24 06:37:00 | | | | | | | | | |
| Metals | | | | | | | | | |
| Copper | 54 | | 1 | 35 | µg/L | 10/18/24 09:30 | 10/18/24 12:44 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Lead | ND | | 1 | 1.00 | µg/L | 10/18/24 09:30 | 10/18/24 12:44 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Sample: 05 FD/1st FI - Kitchen Handwash Sink Lims Reference ID: AC33228-05 Matrix: Drinking Water Sampled: 10/04/24 06:39:00 | | | | | | | | | |
| Metals | | | | | | | | | |
| Copper | 73 | | 1 | 35 | µg/L | 10/18/24 09:30 | 10/18/24 12:48 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Lead | ND | | 1 | 1.00 | µg/L | 10/18/24 09:30 | 10/18/24 12:48 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Sample: 07 FD/1st FI - Girl's BR Water Fountain Lims Reference ID: AC33228-07 Matrix: Drinking Water Sampled: 10/04/24 06:41:00 | | | | | | | | | |
| Metals | | | | | | | | | |
| Copper | 110 | | 1 | 35 | µg/L | 10/18/24 09:30 | 10/18/24 12:55 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Lead | 1.05 | | 1 | 1.00 | µg/L | 10/18/24 09:30 | 10/18/24 12:55 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Sample: 09 FD/2nd FI - 2nd Bathroom Sink From the Left Lims Reference ID: AC33228-09 Matrix: Drinking Water Sampled: 10/04/24 06:43:00 | | | | | | | | | |
| Metals | | | | | | | | | |
| Copper | 42 | | 1 | 35 | µg/L | 10/18/24 09:30 | 10/18/24 12:59 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Lead | ND | | 1 | 1.00 | µg/L | 10/18/24 09:30 | 10/18/24 12:59 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Sample: 11 FB/Field Blank Lims Reference ID: AC33228-11 Matrix: Drinking Water Sampled: 10/04/24 06:44:00 | | | | | | | | | |
| Metals | | | | | | | | | |
| Copper | ND | | 1 | 35 | µg/L | 10/15/24 12:57 | 10/16/24 16:25 | PL | EPA 200.8 (DA)/EPA 200.8 |
| Lead | ND | | 1 | 1.00 | µg/L | 10/15/24 12:57 | 10/16/24 16:25 | PL | EPA 200.8 (DA)/EPA 200.8 |

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012433228**LIMS Reference ID:** AC33228**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:

24-10-3296/Perpetual Help Day Nursery

Customer PO:**EMSL Sales Rep:**

Josh Silverman

Received:

10/07/2024 09:00

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11/06/2024 21:31

Work Order Case Narrative

Revised report- Samples analyzed for Copper per customer request. (Initial report 10/21/2024)

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Certified Analyses included in this Report

| Analyte | Certifications |
|------------------------------------|----------------|
| EPA 200.8 in Drinking Water | |
| Copper | NJDEP |
| 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 | 06/30/2025 |
| MADEP | Massachusetts Department of Environmental Protection | M-NJ337 | 06/30/2025 |
| CTDPH | Connecticut Department of Public Health | PH-0270 | 06/23/2026 |
| California ELAP | California Water Boards | 1877 | 06/30/2025 |
| AIHA LAP | EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited | 100194 | 01/01/2025 |
| A2LA | A2LA Environmental Certificate | 2845.01 | 07/31/2026 |

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.

Michael Chapman 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 Order Number / Lab Use Only

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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

| | |
|---|--|
| Customer Information Customer ID: Omega Environmental Services Company Name: Omega Environmental Services Contact Name: Tom Givnish Street Address: 280 Huyler Street City, State, Zip: South Hackensack, NJ 07606 Country: USA Phone: 201-489-8700 Email(s) for Report: lab@omega-env.com/tomg@omega-env.com | Billing Information Billing ID: Company Name: Omega Environmental Services Billing Contact: Street Address: 280 Huyler Street City, State, Zip: South Hackensack, NJ 07606 Country: USA Phone: 201-489-8700 Email(s) for Invoice: ap@omega-env.com |
|---|--|

| | |
|--|--|
| Project Information | |
| Project Name/No: 24-10-3296 / Perpetual Help Day Nursery EMSL LIMS Project ID: (if applicable, EMSL will provide) Sampled By Name: Tom Givnish | Purchase Order: State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable) US State where samples collected: NJ Turn-Around-Time (TAT) <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 32 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week No. of Samples in Shipment: 11 |

| 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 | SELECTION |
| CHIPS <input type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ² *Reporting Limit based on a minimum 0.25g sample weight | SW 846-7000B | Flame Atomic Absorption | 0.008% (80ppm) | <input type="checkbox"/> |
| | SW 846-6010D* | ICP-OES | 0.0004% (4ppm) | <input type="checkbox"/> |
| | NIOSH 7082 | Flame Atomic Absorption | 4µg/filter | <input type="checkbox"/> |
| AIR | NIOSH 7300M / NIOSH 7303M | ICP-OES | 0.5µg/filter | <input type="checkbox"/> |
| | NIOSH 7300M / NIOSH 7303M | ICP-MS | 0.05µg/filter | <input type="checkbox"/> |
| | SW 846-7000B | Flame Atomic Absorption | 10µg/wipe | <input type="checkbox"/> |
| WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM *If no box is checked, non-ASTM Wipe is assumed | SW 846-6010D* | ICP-OES | 1.0µg/wipe | <input type="checkbox"/> |
| | SW 846-1311 / 7000B / SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| TCCLP | SW 846-1311 / SW 846-6010D* | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| | SW 846-1312 / 7000B / SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| SPLP | SW 846-1312 / SW 846-6010D* | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, 7000B | Flame Atomic Absorption | 40mg/kg (ppm) | <input type="checkbox"/> |
| TTLC | 22 CCR App. II, SW 846-6010D* | ICP-OES | 2mg/kg (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, 7000B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| STLC | 22 CCR App. II, SW 846-6010D* | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| | SW 846-7000B | Flame Atomic Absorption | 40mg/kg (ppm) | <input type="checkbox"/> |
| Soil | SW 846-6010D* | ICP-OES | 2mg/kg (ppm) | <input type="checkbox"/> |
| | SM 3111B / SW 846-7000B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| Wastewater Unpreserved <input type="checkbox"/> PH<2 Preserved with HNO ₃ <input type="checkbox"/> PH<2 | EPA 200.7 | ICP-OES | 0.020 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.5 | ICP-OES | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| Drinking Water Unpreserved <input type="checkbox"/> PH<2 Preserved with HNO ₃ <input checked="" type="checkbox"/> PH<2 | EPA 200.8 | ICP-MS | 0.001 mg/L (ppm) | <input type="checkbox"/> |
| | 40 CFR Part 50 | ICP-OES | 12 µg/filter | <input type="checkbox"/> |
| TSP/SPM Filter | | | | <input type="checkbox"/> |
| 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: | | Sample Condition Upon Receipt: | |
| Relinquished by: [Signature] | Date/Time: 10/4/24 745 | Received by: [Signature] | Date/Time: 10/6/24 9am |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |

Controlled Document - COC-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.

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Emsl Order Number / Lab Use Only

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.)

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

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