

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. Joseph/Fed Cap
8 St. Cloud Place
West Orange, NJ 07052

ASSESSMENT BY: Sarah Hutchins
Omega Environmental Services, Inc.
280 Huyler Street
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EXECUTIVE SUMMARY:

The Archdiocese of Newark requested representative lead in water testing of potable water outlets at St. Joseph/Fed Cap located at 8 St. Cloud Place, West Orange, New Jersey, 07052.

Previous Testing

On May 4, 2017, Omega performed a screen testing of representative outlets. First draw and flush samples (30 second) were collected at thirty-eight (38) water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Twelve (12) first draw samples were above 15 ppb. Three (3) of the associated flush samples were above 15 ppb.

See report dated May 26, 2017.

Follow-up Current Testing (7/21/2021)

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

Reportedly most of the outlets were flushed the day prior to sampling. According to the custodian on the day of the sampling event, the Nurse's Office is not in use by students and was therefore not sampled. The Gym Bathroom sinks were not flushed and not sampled.

First draw and flush samples (30 second) were collected of 16 water fountains and sinks.

Results of most (15-out-of-16 total samples) first draw samples analyzed were below the Lead action level of 15 ppb. One (1) first draw sample result was above 15 ppb. The associated flush sample was below 15 ppb.

See Section 3 Discussion of Results

Applicable Corrective Action

The positive outlets should not be used by students/staff but should continue to be flushed daily or weekly pending re-test.

Water Management/Plumbing Plan

No water management/plumbing plan has been created for St. Joseph/Fed Cap.

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:

One (1) first draw sample result was above 15 ppb. The associated flush sample was below 15 ppb. This indicates the source of lead is related to the fixtures themselves, not in the main building plumbing.

4 RECOMMENDATIONS:

Short term:

- < Take any outlets with elevated results out of service.
- < Conduct further evaluation, flushing, and testing of outlets with elevated results.

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 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 D

A. Lead in Water Laboratory Reports

Omega Environmental Services,

280 Huyler Street

South Hackensack, NJ 07606

Phone: (201) 489-8700

Fax: (201) 489-8747

Submitted to: EMSL

The following analytical report covers the analysis performed on samples submitted to EMSL.

Approved By:

[Handwritten Signature]



ILTS Analytical Results

This report was generated by the ILTS software. The data was collected from the ILTS database. The results are presented in the following table.

METALS

Method	Parameter	Result
04 FD	Lead	3.14

Analysis

Prep Date & Analyst	Analysis Date & Analyst	Method	Parameter	Result
8/9/2021	8/10/2021 13:08	VD	Lead	3.14

RL Units	Prep Date & Analyst	Analysis Date & Analyst	Method	Parameter	Result
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METALS

Lab ID	Client Sample Description	Method	Collected
012108506-0007	04 FD 1st floor Boy's Bathroom Sink (Left)	04 FD	7/21/2021

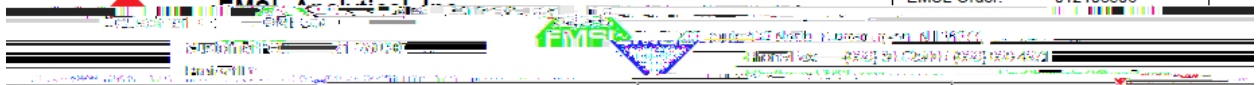
METALS

Lab ID	Client Sample Description	Method	Collected	Lab ID
12108506-0009	05 FD 1st floor Boy's Bathroom Sink (Center)	05 FD	7/21/2021 9:34:00 AM	012108506-0009

METALS

1.00 µg/L	8/9/2021	VD	8/10/2021 13:08	VD	200.8	Lead	3.14
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EMSL Order: 012108506



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Attn: **Lab**
Omega Enviro

Environmental Services



Project: Arch of Newark/ St. Joseph/ Fed Cap/ 21-26070

