



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410  
(973) 636-9145/ Email: info@envirovisionconsultants.com

CLIENT: Demarest Public Schools  
PROJECT: Lead (Pb) in Water Sampling  
SITE: Luther Lee Emerson Elementary School  
ADDRESS: 15 Columbus Road, Demarest, NJ 07627  
TECHNICIAN: Jordan Pryske  
REPORT DATE: 10/22/24

PROJECT NUMBER 24-139

As per your request, EnviroVision Consultants, Inc. was contracted by the Demarest School District to conduct Lead (Pb) in drinking water sampling at the Luther Lee Emerson Elementary School on October 3, 2024. The sample locations, in addition to a unique sample location code was determined/assigned by school district personnel. The school district performed the proper flushing of outlets prior to sampling and EnviroVision was instructed to collect only first draw samples for this sampling event. The school district's corresponding flushing logs should be attached to this report.

The facility was closed at the time of sampling in order to prevent occupants from utilizing any water outlets. After flushing, the water in the facility must remain motionless in the plumbing fixtures for a minimum of 8 hours, but no more than 48 hours. Cold water samples were collected in pre-cleaned high-density polyethylene (HDPE) 250mL wide mouth bottles.

Samples were analyzed at EMSL Analytical, Inc. in Cinnaminson, New Jersey \*(NJDEP#03036), accredited in accordance with NELAC (National Environmental Laboratory Accreditation Conference). The analytical method utilized was inductively coupled plasma mass spectrometry ICP-MS (EPA 200.8).

Thirteen samples were collected from the Luther Lee Emerson Elementary School. A blank sample was also taken and analyzed as required.

Results: Twelve of the thirteen samples analyzed were either "None Detected" or less than the EPA established threshold for lead in drinking water. However, one of the samples was above the allowable limit established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb or 15ug/L). When a water outlet/faucet meets or exceeds the USEPA threshold, EnviroVision recommends that the outlet/faucet be immediately put out of service until the system can be further evaluated and proper remedial action is achieved.

Note: 1ppb = 1ug/L



**LUTHER LEE EMERSON ELEMENTARY SCHOOL - LEAD (Pb) in Water  
Results of Concern**

<b>Outlet ID/Sample Number</b>	<b>Location</b>	<b>Results</b>
LE4	All Purpose Room	32.3 ppb

Due to the elevated levels in the above outlets, we recommend that some or all of the following steps be taken at this time;

- Closure of the affected water outlet(s) until the system can be further evaluated and proper remedial action is achieved.
- Removal and replacement with non-lead containing fixtures.
- Installation of filtration systems.
- Development of a Flushing Program for those taps high in lead and turbidity (this may include automatic flushing systems).
- Contact the local water utility company to obtain information about their corrosion control procedures and how it might affect the District's control plans.
- Permanent closure of outlet(s).

Once the remedial action(s) are complete, follow up testing is required to ensure alterations/replacement to plumbing fixtures has lowered the amount of lead to acceptable levels.

I have also enclosed documents with detailed steps from the New Jersey Department of Environmental Protection regarding notifications that must be made, posting of results, and initial and long-term remedial requirements.

If you have any questions, or if we could be of any further assistance, please feel free to contact our office. EnviroVision looks forward to providing you with the service and attention to detail you have come to expect from us.

Sincerely,  
EnviroVision Consultants, Inc.

Cathy DiNardo

Cathy DiNardo, Project Manager

Attached: Lab results, Associated data sheets, DEP Overview of Lead in Drinking Water at School Facilities, DEP Guidance for Selecting a Remedial Measure for Lead Removal

**EMSL Analytical, Inc.**

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

**EMSL Order ID:** 012433081  
**LIMS Reference ID:** AC33081  
**EMSL Customer ID:** RAMA51

**Attention:** Results

EnviroVision Consultants, Inc [RAMA51]  
 20-21 Wagaraw Rd, Bldg 35E  
 Fair Lawn, NJ 07410  
 (973) 636-9145  
 envirovision@optonline.net

**Project Name:**

Demarest Board of Education / Luther Lee  
 Emerson Elementary School / 15 Columbus Rd  
 / Demarest, NJ / 24-139

**Customer PO:**

Gary Perimutter

**EMSL Sales Rep:****Received:**

10/04/2024 09:00

**Reported:**

10/18/2024 16:24

**Analytical Results**

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: LE01/Main Lobby (Left Fountain) Lims Reference ID: AC33081-01 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 14:55	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE02/Main Lobby (Right Fountain) Lims Reference ID: AC33081-02 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:01	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE02BF/Main Lobby (Bottle Filler) Lims Reference ID: AC33081-03 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:02	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE03/Kitchen (Sink) Lims Reference ID: AC33081-04 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:04	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE04/All Purpose Room (Bubbler) Lims Reference ID: AC33081-05 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	32.3		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:06	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE05/Faculty Room (Sink) Lims Reference ID: AC33081-06 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:12	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE06/Hall by 116/Boiler Room (Fountain) Lims Reference ID: AC33081-07 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:14	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE06 BF/Hall by 116/Boiler Room (Bottle Filler) Lims Reference ID: AC33081-08 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:16	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE07/Hall by 103 (Left Fountain) Lims Reference ID: AC33081-09 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:18	PL	EPA 200.8 (DA)/EPA 200.8

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 / Demarest, NJ / 24-139

**Customer PO:**

Gary Perlmutter

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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: LE08/Hall by 103 (Right Fountain) Lims Reference ID: AC33081-10 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:20	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE09/Nurse (Sink) Lims Reference ID: AC33081-11 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:22	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE19/Hall by Room 101/Faculty Restroom (Fountain) Lims Reference ID: AC33081-12 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:28	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE-19BF/Hall by Room 101/Faculty Restroom (Bottle Filler) Lims Reference ID: AC33081-13 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:30	PL	EPA 200.8 (DA)/EPA 200.8
Sample: LE-Blank/Blank Lims Reference ID: AC33081-14 Matrix: Drinking Water Sampled: 10/03/24 00:00:00									
<b>Metals</b>									
Lead	ND		1	1.00	µg/L	10/16/24 17:20	10/17/24 15:36	PL	EPA 200.8 (DA)/EPA 200.8



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**Certified Analyses included in this Report**

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
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) <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.



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**Notes and Definitions**

<b>Item</b>	<b>Definition</b>
(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.

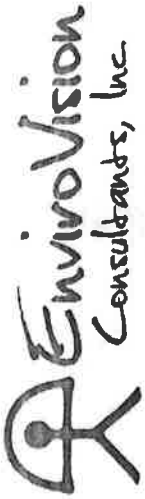
Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

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.

AC 33081

20-21 Wagaraw Road - Bldg. 35E, Fair Lawn, NJ 07410  
(973) 636-9145 / info@envirovisionconsultants.com  
NJDOH IHEA Lic #: 1097



CLIENT	Demarest Board of Education	ADDRESS	568 Piermont Rd, Demarest, NJ 07627
PROJECT	Luther Lee Emerson Elementary School	ADDRESS	15 Columbus Rd, Demarest, NJ 07627
TECH	Jordan Pryske	SAMPLING DATE	10 / 3 / 24
		PROJ #	24-139

**LEAD IN DRINKING WATER DATA SHEET**

Sample ID #	Date/Time Collected	Sample Location	Observations
LE01	10/3/24 0707	Main lobby (Left Fountain)	
LE02	10/3/24 0708	Main lobby (Right Fountain)	
LE02BF	10/3/24 0709	Main lobby (Bottle Filler)	
LE03	10/3/24 0733	Kitchen Sink	
LE04	10/3/24 0736	All purpose Room (Butter)	
LE05	10/3/24 0738	Faculty Room (Sink)	
LE06	10/3/24 0745	Hall by 116/Boiler Room (Fountain)	
LE06BF	10/3/24 0747	Hall by 116/Boiler Room (Bottle Filler)	
LE07	10/3/24 0751	Hall by 103 (11 on outlet inventory)	Left Fountain
LE08	10/3/24 0752	Hall by 103 (11 on outlet inventory)	Right Fountain

**CHAIN OF CUSTODY**

Relinquished By:	Received By:	Date & Time
J. Pryske	(initials) (WT)	12:34pm 10.3.24
	(initials) Mornely	10-3-24 10:55
		10/4/24 9am

LABORATORY SUBMITTED TO:	FMSL
LAB ORDER #	

**ANALYSIS:**  
 Unpreserved, via EPA 200.8 ICP-MS (0.001 mg/L (ppm))  
 Preserved with HNO<sub>3</sub>, via EPA 200.8 ICP-MS (0.001 mg/L (ppm))

Matrix: Drinking Water, Sample Type: Grab  
 Sample(s) Temperature Upon Receipt (Lab Only): \_\_\_\_\_  
 Bottle Size: 250 mL, wide mouth

TURNAROUND TIME 2 DAYS / WEEKS  
 EMAIL RESULTS TO info@envirovisionconsultants.com

PAGE 1 OF 2 Preserved 10.7  
12:10



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TECH	Jordan Pryske	SAMPLING DATE	10 / 3 / 24
		PROJ #	24-139

LEAD IN DRINKING WATER DATA SHEET

Sample ID #	Date/Time Collected	Sample Location	Observations
LE09	10/3/24 0754	Nurse (Smt)	
LE19	10/3/24 0810	Hall by Rm 101/Faculty Restroom	Fountain
LE19BF	10/3/24 0812	Hall by Rm 101/Faculty Restroom	Bottom Filler
LE-BLANK	10/3/24 0820	Blank	