



EnviroVision
Consultants, Inc.

20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410
PH (973) 636-9145 FAX (973) 636-9144
Email: Envirovision@optonline.net

CLIENT: Demarest Public Schools Project Number 21-332
PROJECT: Lead (Pb) in Water Sampling Luther Lee Emerson Elementary School
ADDRESS: 15 Columbus Road, Demarest, NJ 07627
FIELD TECHNICIANS: Leonardo Bitondo REPORT DATE: September 14, 2021

As per your request, EnviroVision Consultants, Inc. was contracted by Demarest School District to conduct Lead (Pb) in water sampling at the Luther Lee Emerson Elementary School on August 20, 2021. 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).

Six of the nineteen initially requested samples were collected from the Luther Lee Elementary School. The remaining water outlets were either permanently out of service or disabled due to Covid-19 restrictions.

Results: All of the samples analyzed were either "None Detected" or less than the EPA established threshold for lead in drinking water. To further clarify, no result indicated lead in water levels at or above the limit established by the United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb). 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.



Page 2 (Luther Lee Emerson Elementary School)

Project Number 21-332

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



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Cathy DiNardo
EnviroVision Consultants, Inc
20-21 Wagaraw Rd
Bldg 35E
Fair Lawn, NJ 07410

9/13/2021

Phone: (973) 636-9145
Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/23/2021. The results are tabulated on the attached data pages for the following client designated project:

Luther Lee Emerson School - 15 Columbus Road, Demarest, NJ

The reference number for these samples is EMSL Order #012109773. 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.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012109773
 CustomerID: RAMA51
 CustomerPO:
 ProjectID:

Attn: **Cathy DiNardo**
EnviroVision Consultants, Inc
20-21 Wagaraw Rd
Bldg 35E
Fair Lawn, NJ 07410

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 8/23/2021 09:00 AM

Project: **Luther Lee Emerson School - 15 Columbus Road, Demarest, NJ**

Analytical Results

Client Sample Description Leo2-BF **Collected:** 8/20/2021 8:30:00 AM **Lab ID:** 012109773-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:12

Client Sample Description Leo3-S **Collected:** 8/20/2021 8:31:00 AM **Lab ID:** 012109773-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	12.4	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:19

Client Sample Description Leo5-S **Collected:** 8/20/2021 8:32:00 AM **Lab ID:** 012109773-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:23

Client Sample Description Leo6-BF **Collected:** 8/20/2021 8:33:00 AM **Lab ID:** 012109773-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:25

Client Sample Description Leo9-S **Collected:** 8/20/2021 8:35:00 AM **Lab ID:** 012109773-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:26

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012109773
 CustomerID: RAMA51
 CustomerPO:
 ProjectID:

Attn: **Cathy DiNardo**
EnviroVision Consultants, Inc
20-21 Wagaraw Rd
Bldg 35E
Fair Lawn, NJ 07410

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 8/23/2021 09:00 AM

Project: Luther Lee Emerson School - 15 Columbus Road, Demarest, NJ

Analytical Results

Client Sample Description Leo20-BF **Collected:** 8/20/2021 **Lab ID:** 012109773-0006
 8:37:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:27

Client Sample Description Blank **Collected:** 8/20/2021 **Lab ID:** 012109773-0007
 8:45:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:29

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

Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only

012109773

200 Rt. 130 W
Chathamson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry@EMSL.com



EMSL ANALYTICAL, INC.

Customer Information
 Customer ID: _____
 Company Name: EnviroVision Consultants
 Contact Name: Cathy D'Nardo
 Street Address: 20-21 Wagaraw Road
 City, State, Zip: Fair Lawn, NJ, 07410
 Phone: 973-636-9145
 Email(s) for Report: envirovision@optonline.net
 Country: USA

Billing Information
 Billing ID: _____
 Company Name: EnviroVision Consultants
 Billing Contact: Bazhenia Tulchinsky
 Street Address: 20-21 Wagaraw Road
 City, State, Zip: Fair Lawn, NJ, 07410
 Phone: 973-636-9145
 Email(s) for Invoice: envirovision@optonline.net
 Purchase Order: _____
 Country: USA

Project Information
 Project Name/No: Luther Lee Emerson school - 15 Columbus Road Demerest, NJ
 EMSL LIMS Project ID: _____
 (If applicable, EMSL will provide)

State of Connecticut (CT) must select project location:
 Residential (Non-Taxable) Commercial (Taxable) State Reporting Required? Yes No

US State where samples collected: PWS ID: _____
 Samples Collected by (Check One): Yes No Other (Specify) _____
 If Yes, for NPDES? Yes No

Client Information
 Samples Received Chilled? Yes No

Signature and Turn-Around Time
 Sampled By Signature: [Signature]
 Turn-Around-Time (TAT) Leonardo Bizarro Standard Turn-Around-Time: 2 Weeks 1 Week 4 Days 3 Days 2 Days 1 Day

The following TATs are subject to Lab approval. Call lab to confirm TAT before submital.

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Tests Needed (Write in test below, then check on sample line.)							Comments	
						Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7		Test 8
L602-BF			8/20/21	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
L603-S			8/31	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
L605-S			8/31	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
L606-BF			8/31	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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

Reporting Requirements: Results Only Results and QC Reduced Deliverables Hrs results EDD Other (Describe Above) _____

Method of Shipment: _____

Relinquished by: [Signature] Date/Time: 8/20/21 2:00 PM

Relinquished by: Michael Pin Date/Time: 8/20/21 2:30

Received by: Ch Corin Date/Time: 8/20/21 9:00 AM

Received by: Eduyem Date/Time: 8/23/21 9:00 AM

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 to their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by the customer.

Order ID: 012109773

Rec. provided EL 8123



EMSL ANALYTICAL, INC.

Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only

012109773

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077

PHONE (800) 220-3675
EMAIL EnvChemistry@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.)

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line.)								Comments		
						Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8			
LC09-S	<input type="checkbox"/>	<input type="checkbox"/>	8/26/21	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LEAD-BF	<input type="checkbox"/>	<input type="checkbox"/>	8/31	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Blank	<input type="checkbox"/>	<input type="checkbox"/>	8/48	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Method of Shipment: _____

Relinquished by: *[Signature]* Date/Time: _____

Relinquished by: *[Signature]* Date/Time: 8/20/21 9:30

Sample Condition Upon Receipt: _____

Received by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

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.

Controlled Document - COC-07 Chemistry R11 02/26/2021

Attachment C – Drinking Water Outlet Inventory

(Complete for each school)

Name of School: **Luther Lee Emerson School** Address: **15 Columbus Road Demarest, NJ 07627**

Grade Levels: **2 - 4** Year School Constructed: **1973** Renovated/Additions: **None**

Individual school project officer Name/Signature: **Yordanis Morales-Cruz** Date Completed: **10/31/16**

#1	Type	Location	Code	Operational? ² (Y/N)	Signs of Corrosion ³ (Y/N)	Filter ⁴ (Y/N)	Brass Fittings, Faucets or valves? ³ (Y/N)	Aerator/Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
1	Fountain	main lobby (l)	LE01	Y	N	N	N	N	N	Y	Elkay		
2	Fountain	main lobby (r)	LE02	Y	N	N	N	N	N	Y	Elkay		
3	Sink	kitchen	LE03	Y	N	Y	N	Y	N	N			Filter installed
4	Fountain	All-purpose	LE04	Y	N	Y	N	N	N	N			Filter installed
5	Sink	Faculty room	LE05	Y	N	N	N	Y	N	N			
6	Fountain	Hlwy nr 116	LE06	Y	N	Y	N	N	N	N			Filter installed
7	Fountain	Hlwy nr 111 (l)	LE07	Y	N	N	N	N	N	Y	Elkay		
8	Fountain	Hlwy nr 111 (r)	LE08	Y	N	N	N	N	N	Y	Elkay		
9	Sink	Nurse	LE09	Y	N	Y	N	N	N	N			Filter installed
10	Bubbler	Room 110	LE10	Y	N	N	N	N	N	N			
11	Bubbler	Room 112	LE11	Y	N	N	N	N	N	N			

¹ Number outlets starting at the closest outlet to the Point of Entry (POE).

² Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

³ Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

⁴ Document on Attachment D- Filter Inventory.

Attachment C – Drinking Water Outlet Inventory

(Complete for each school)

Name of School: **Luther Lee Emerson School** Address: **15 Columbus Road Demarest, NJ 07627**

Grade Levels: **2 - 4** Year School Constructed: **1973** Renovated/Additions: **None**

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#1	Type	Location	Code	Operational ² (Y/N)	Signs of Corrosion ³ (Y/N)	Filter ⁴ (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
12	Bubbler	Room 113	LE12	Y	N	N	N	N	N	N			
13	Bubbler	Room 114	LE14	Y	N	N	N	N	N	N			
14	Bubbler	Room 115	LE13	Y	N	N	N	N	N	N			
15	Bubbler	Room 104	LE15	Y	N	Y	N	N	N	N			
16	Bubbler	Room 25	LE16	Y	N	N	N	N	N	N			
17	Bubbler	Room 109	LE17	Y	N	N	N	N	N	N			
18	Bubbler	Room 106	LE18	Y	N	Y	N	N	N	N			Filter installed
19	Fountain	Room 101	LE19	Y	N	Y	N	N	N	Y	Elkay		Filter installed

¹ Number outlets starting at the closest outlet to the Point of Entry (POE).

² Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

³ Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

⁴ Document on Attachment D- Filter Inventory.