



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 County Road Elementary School
ADDRESS: 130 County 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 County Road 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).

Three of the eleven initially requested samples were collected from the County Road Elementary School. The remaining water outlets were either permanently out of service or disabled due to Covid-19 restrictions.

Results: Two of the 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). 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.



COUNTY ROAD ELEMENTARY SCHOOL - LEAD (Pb) in Water Results of Concern

Outlet ID/Sample Number	Location	Results
CR09-S	Kitchen Sink	26.0 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 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:

County Road School - 130 County Road, Demarest

The reference number for these samples is EMSL Order #012109776. 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: 012109776
 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: **County Road School - 130 County Road, Demarest**

Analytical Results

Client Sample Description CR01-BF **Collected:** 8/20/2021 8:07:00 AM **Lab ID:** 012109776-0001

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 01:33

Client Sample Description CR09-S **Collected:** 8/20/2021 8:11:00 AM **Lab ID:** 012109776-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	26.0	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:34

Client Sample Description CR10-S **Collected:** 8/20/2021 8:12:00 AM **Lab ID:** 012109776-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.27	1.00 µg/L	9/9/2021 VD	9/10/2021 VD 01:36

Client Sample Description Blank **Collected:** 8/20/2021 8:15:00 AM **Lab ID:** 012109776-0004

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 01:37

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

200 RL 130 11
Cinnaminson, NJ 08077

EMSL Order Number / Lab Use Only

012109776

PHONE (800) 220-3675
EMAIL EnvChemistry2@EMSL.com

EMSL ANALYTICAL, INC.

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

Billing Information
 Billing ID: 012109776
 Company Name: EnviroVision Consultants
 Billing Contact: Bazhana Tuchinsky
 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:

Project Name/No: County Road School - 130 County Road, Demarest
 EMSL LMS Project ID: MS
 State of Connecticut (CT) must select project location:
 Residential (Non-Taxable) Commercial (Taxable) PWS ID:

State Reporting Required? Yes No

Samples for Compliance? Yes No If Yes, for NPDES? Yes No Other (Specify)

Samples Collected by (Check One): EMSL CLIENT

Sampled By Name: DiNardo & Tondo Samples Received Chilled? Yes No

Turn-Around-Time (TAT): 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 submittal.

Client Sample ID	Date / Time Collected	Grab	Comp	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	
CRO1-BE	8/07			W	2										
CRO9-S	8/11			W	2										
CR10-S	8/12			W	2										
Blank	8/15			W	2										

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.):
Refrigerate samples in cooler with ice packs

Reporting Requirements: Results Only Results and QC Reduced Deliverables Hazards EDD Excel Other (Describe Above)

Method of Shipment:

Relinquished by: Richard DiNardo Date/Time: 8/20/12 9:30
 Date/Time: 8/20/12 9:30

Received by: Casey Date/Time: 8/20/12 9:00
 Received by: Chen Date/Time: 8/20/12 9:00

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)
 Controlled Document - C03-07 Chemistry R11 02/28/2011

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 business pres. E28723

Attachment C – Drinking Water Outlet Inventory

(Complete for each school)

Address: 130 County Road Demarest, NJ 07627

Name of School: County Road School

Grade Levels: Pre K – 1 Year School Constructed: 1963 Renovated/Additions: None

Date Completed: 10/31/16

Individual school project officer Name/Signature: Louis Vogel

#1	Type	Location	Code	Operational? ¹ (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	
1	Fountain	Near main office	CR01	Y	N	N	N	N	N	Y	Halsey Taylor		
2	Fountain	By APR	CR11	N	N	N	N	N	N	N			Fountain not in use. Water turned off.
3	Sink	Kitchen	CR09	Y	N	N	N	Y	N	N			
4	Bubbler	Room A	CR03	Y	N	Y	N	N	N	N			Filter installed
5	Bubbler	Room B	CR04	Y	N	N	N	N	N	N			
6	Bubbler	Room C	CR05	Y	N	N	N	N	N	N			
7	Bubbler	Room D	CR06	Y	N	N	N	N	N	N			
8	Bubbler	Room F	CR07	Y	N	N	N	N	N	N			
9	Bubbler	Room K	CR02	Y	N	N	N	N	N	N			
10	Bubbler	Room I	CR08	Y	N	N	N	N	N	N			
11	Sink	Nurse	CR10	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.