



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

CLIENT: Mount Laurel School District
PROJECT: Lead in Drinking Water
ADDRESS: 115 Schoolhouse Ln., Mt. Laurel, NJ 08054
Field Technician: Cathy DiNardo

Project Number 22-178
Countryside E.S.
Report Date: May 9, 2022

As per your request, EnviroVision Consultants, Inc. was contracted by Mount Laurel School District to conduct Lead (Pb) in water sampling at the Countryside Elementary School on April 20, 2022. The sample locations, in addition to unique sample location codes were 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).

Eleven samples were collected from Countryside Elementary School. An additional sample was collected, as required, for Quality Assurance purposes.

Results: Ten of the samples collected 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 ug/L. When a water outlet/faucet meets or exceeds the USEPA threshold, EnviroVision recommends that the outlet/faucet be put out of service until the system can be further evaluated and proper remedial action is achieved.



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

Outlet ID/Sample Number	Location	Results
F8CS	Fountain by Classroom 5	31.9 ppb

Note* 1ppb = 1ug/L

Due to the elevated level in the above-mentioned outlet, 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.

Should 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:

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

5/6/2022

Phone: (973) 636-9145

Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/20/2022. The results are tabulated on the attached data pages for the following client designated project:

22-178 Mt. Laurel BOE - Countryside School

The reference number for these samples is EMSL Order #012206303. 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:

Owen McKenna, 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: 012206303
 CustomerID: RAMA51
 CustomerPO:
 ProjectID:

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

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 4/20/2022 01:00 PM

Project: 22-178 Mt. Laurel BOE - Countryside School

Analytical Results

Client Sample Description F1CS
 Front Hall
Collected: 4/20/2022
 7:08:00 AM
Lab ID: 012206303-0001

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

200.8	Lead	3.01	1.00 µg/L	5/5/2022 VD	5/5/2022 20:18 VD
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Client Sample Description S1CS
 Nurses Sink
Collected: 4/20/2022
 7:12:00 AM
Lab ID: 012206303-0002

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

200.8	Lead	1.54	1.00 µg/L	5/5/2022 VD	5/5/2022 20:20 VD
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Client Sample Description F2CS
 By Girls Restroom
Collected: 4/20/2022
 7:15:00 AM
Lab ID: 012206303-0003

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

200.8	Lead	1.37	1.00 µg/L	5/5/2022 VD	5/5/2022 20:22 VD
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Client Sample Description F3CS
 By Boys Restroom
Collected: 4/20/2022
 7:17:00 AM
Lab ID: 012206303-0004

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

200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:24 VD
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Client Sample Description F3CS-BF
 By Boys Restroom
Collected: 4/20/2022
 7:19:00 AM
Lab ID: 012206303-0005

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

200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:26 VD
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Fair Lawn, NJ 07410

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 4/20/2022 01:00 PM

Project: **22-178 Mt. Laurel BOE - Countryside School**

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
S2CS Faculty Sink		4/20/2022 7:20:00 AM	012206303-0006		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:28 VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
F3CS By Room 12		4/20/2022 7:22:00 AM	012206303-0007		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:34 VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
F5CS By Room 12		4/20/2022 7:25:00 AM	012206303-0008		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:36 VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
F6CS By Room 22		4/20/2022 7:31:00 AM	012206303-0009		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:42 VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
F7CS By Room 22		4/20/2022 7:32:00 AM	012206303-0010		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	2.49	1.00 µg/L	5/5/2022 VD	5/5/2022 20:45 VD

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Fair Lawn, NJ 07410

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 4/20/2022 01:00 PM

Project: 22-178 Mt. Laurel BOE - Countryside School

Analytical Results

Client Sample Description F8CS **Collected:** 4/20/2022 **Lab ID:** 012206303-0011
 By Room 5 7:37:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	31.9	1.00 µg/L	5/5/2022 VD	5/5/2022 20:47 VD

Client Sample Description CSB **Collected:** 4/20/2022 **Lab ID:** 012206303-0012
 Balnk 7:40:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	5/5/2022 VD	5/5/2022 20:49 VD

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



Lead Chain of Custody

EMSL Order Number / Lab Use Only

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

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

012206303

PHONE: (800) 220-3675

EMAIL: Cinnaminson.leadLab@emsl.com

Customer Information	Customer ID: RAMA51	Billing Information	Billing ID: RAMA51
	Company Name: EnviroVision Consultants Inc.		Company Name: EnviroVision Consultants Inc.
	Contact Name: Frederick Larson		Billing Contact: Frederick Larson
	Street Address: 20-21 Wagaraw Rd. Suite 35E		Street Address: 20-21 Wagaraw Rd. Suite 35E
	City, State, Zip: Fair Lawn, NJ 07410 Country: Bergen		City, State, Zip: Fair Lawn, NJ 07410 Country: Bergen
	Phone: 973-636-9145		Phone: 973-636-9145
Email(s) for Report: info@envirovisionconsultants.com		Email(s) for Invoice: info@envirovisionconsultants.com	

Project Information		
Project Name/No: 22-178 Mt. Laurel BOE- Countryside School	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: NJ	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: Cathy DiNardo	Sampled By Signature:	No. of Samples in Shipment:

Turn-Around-Time (TAT)

3 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

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	SW 846-7000B	Flame Atomic Absorption	0.006% (80ppm)	<input type="checkbox"/>	
Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>	
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>	
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>	
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>	
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>	
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe	<input type="checkbox"/>	
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>	
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>	
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>	
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>	
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>	
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>	
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>	
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>	
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>	
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>	
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>	
	Unpreserved <input type="checkbox"/> PH-2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Preserved with HNO ₃ <input type="checkbox"/> PH-2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>	
Drinking Water	Unpreserved <input checked="" type="checkbox"/> PH-2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
	Preserved with HNO ₃ <input type="checkbox"/> PH-2	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
TSP/SPM Filter				<input type="checkbox"/>	
Other:				<input type="checkbox"/>	

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1 F1CS	FRONT Hall	250ML	4/20/22 708
2 S1CS	Nurses Sink	250ML	4/20/22 712
3 F2CS	By Girls Restroom	250ML	4/20/22 715
4 F3CS	By Boys Restroom	250ML	4/20/22 717
5 F3CS-BF	By Boys Restroom	250ML	4/20/22 719 am

Method of Shipment: Drop OFF		Sample Condition Upon Receipt:	
Released by: CD Nardo	Date/Time: 4/20/22 12:40	Received by: On [Signature]	Date/Time: 4/20/22 1:10
Retrieved by:	Date/Time:	Received by: Elyse	Date/Time: 4/20/22 1:10

Controlled Document - C0C-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.

HNO₃ added by OK at 4:30 on 4/21

Page 1 of 2



Lead Chain of Custody

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Cinnaminson, NJ 08077

EMSL ANALYTICAL, INC.
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012206303

PHONE: (800) 220-3675
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.)

Countryside School

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
6 SACS	Faculty Sink	250mL	4/20/22 720
7 F4CS	By Room 12	250mL	4/20/22 722
8 F5CS	By Room 12	250mL	4/20/22 725
9 F6CS	By Room 22	250mL	4/20/22 731
10 F7CS	By Room 22	250mL	4/20/22 732
11 F8CS	By Room 5	250mL	4/20/22 737
12 CSB	Blank	250mL	4/20/22 740

Method of Shipment: DROP OFF		Sample Condition Upon Receipt:	
Relinquished by: C.D. Nardo	Date/Time: 4/20/22 1240	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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

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.