



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410
PH (973) 636-9145 / FAX (973) 636-9144
Email: info@envirovisionconsultants.com

CLIENT: Linden School District	Project Number 22-224
PROJECT: Lead in Drinking Water	School Number 10
ADDRESS: 2801 Highland Ave, Linden NJ 07036	Report Date: July 1, 2022
<u>Field Technician: Jordan Pryske</u>	

As per your request, EnviroVision Consultants, Inc. was contracted by the Linden Public School District to conduct Lead (Pb) in water sampling at School Number 10 on June 11, 2022. The sample location(s), 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.

The 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).

Fifteen water samples were collected from School Number 10. In addition, a blank sample was collected and analyzed, as required, for Quality Assurance purposes.

Results: Fourteen 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 (US EPA) 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.



Page 2 (School Number 10)

Project Number 22-224

SCHOOL NUMBER 10 - LEAD(Pb) in Water Result(s) of Concern

Outlet ID/Sample Number	Location	Results
SC10-KS-01	Kitchen (sink)	20.3 ppb, ug/L

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.
- 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:

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

7/13/2022

Phone: (973) 636-9145

Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/15/2022. The results are tabulated on the attached data pages for the following client designated project:

22-224 Linden School #10

The reference number for these samples is EMSL Order #012209455. 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

Report amended 07/13/2022 15:55:02 Replaces initial report from 07/01/2022 10:57:38 Sample description corrected for sample -0014.

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: 012209455

CustomerID: RAMA51

CustomerPO:

ProjectID:

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

Phone: (973) 636-9145
Fax: (973) 636-9144
Received: 06/15/22 9:00 AM

Project: 22-224 Linden School #10

Analytical Results

Client Sample Description	SC10-KS-01 Kitchen (Sink)	Collected:	6/11/2022	Lab ID:	012209455-0001
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	20.3	1.00 µg/L	6/28/2022 KG	06/28/22 23:31 KG

Client Sample Description	SC10-FP-02 Kitchen (Sink)	Collected:	6/11/2022	Lab ID:	012209455-0002
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.10	1.00 µg/L	6/28/2022 KG	06/28/22 23:42 KG

Client Sample Description	SC10-WF-06 Hall by 114 (Fountain)	Collected:	6/11/2022	Lab ID:	012209455-0003
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.27	1.00 µg/L	6/28/2022 KG	06/28/22 23:43 KG

Client Sample Description	SC10-WF-05 Hall by 114 (Fountain)	Collected:	6/11/2022	Lab ID:	012209455-0004
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.57	1.00 µg/L	6/28/2022 KG	06/28/22 23:45 KG

Client Sample Description	SC10-WF-08 Hall by 112 (Fountain)	Collected:	6/11/2022	Lab ID:	012209455-0005
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.73	1.00 µg/L	6/28/2022 KG	06/28/22 23:47 KG

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EMSL Order: 012209455

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Phone: (973) 636-9145
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Received: 06/15/22 9:00 AM

Project: 22-224 Linden School #10

Analytical Results

Client Sample Description SC10-WF-07
Hall by 112 (Fountain) **Collected:** 6/11/2022 **Lab ID:** 012209455-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.84	1.00 µg/L	6/28/2022 KG	06/28/22 23:48 KG

Client Sample Description SC10-WF-03
Hall by 118 (Fountain) **Collected:** 6/11/2022 **Lab ID:** 012209455-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/28/2022 KG	06/28/22 23:50 KG

Client Sample Description SC10-NS-07
Nurse Bathroom (Sink) **Collected:** 6/11/2022 **Lab ID:** 012209455-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/28/2022 KG	06/28/22 23:54 KG

Client Sample Description SC10-WF-10
Hall by Nurse (Fountain) **Collected:** 6/11/2022 **Lab ID:** 012209455-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.50	1.00 µg/L	6/28/2022 KG	06/28/22 23:56 KG

Client Sample Description SC10-WF-11
Hall by Nurse (Fountain) **Collected:** 6/11/2022 **Lab ID:** 012209455-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.87	1.00 µg/L	6/28/2022 KG	06/28/22 23:57 KG

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Received: 06/15/22 9:00 AM

Project: 22-224 Linden School #10

Analytical Results

Client Sample Description SC10-S-12
Daycare Room 100 (Sink) **Collected:** 6/11/2022 **Lab ID:** 012209455-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/28/2022 KG	06/28/22 23:59 KG

Client Sample Description SC10-S-13
Daycare Room 101 (Sink) **Collected:** 6/11/2022 **Lab ID:** 012209455-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/28/2022 KG	06/29/22 0:04 KG

Client Sample Description SC10-WF-14
Daycare Room 101 (Fountain) **Collected:** 6/11/2022 **Lab ID:** 012209455-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.92	1.00 µg/L	6/28/2022 KG	06/29/22 0:05 KG

Client Sample Description SC10-WC-15
Faculty Room (Water Cooler) **Collected:** 6/11/2022 **Lab ID:** 012209455-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/28/2022 KG	06/29/22 0:07 KG

Client Sample Description SC10-TL-16
Faculty Room (Sink) **Collected:** 6/11/2022 **Lab ID:** 012209455-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/28/2022 KG	06/29/22 0:08 KG

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EMSL Order: 012209455

CustomerID: RAMA51

CustomerPO:

ProjectID:

Attn: **Frederick Larson**
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20-21 Wagaraw Rd
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Fair Lawn, NJ 07410

Phone: (973) 636-9145
Fax: (973) 636-9144
Received: 06/15/22 9:00 AM

Project: 22-224 Linden School #10

Analytical Results**Client Sample Description** SC10-BLANK**Collected:** 6/11/2022**Lab ID:** 012209455-0016

<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	6/28/2022 KG	06/29/22 0:13 KG

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



EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@email.com

012209455

Customer ID: RAMA51		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, Bldg 35E		Street Address: 20-21 Wagaraw Rd, Bldg 35E	
City, State, Zip: Fair Lawn, NJ, 07410	Country: US	City, State, Zip: Fair Lawn, NJ, 07410	Country: US
Phone: 973-636-9145		Phone: 973-636-9145	
Email(s) for Report: info@envirovisionconsultants.com		Email(s) for Invoice: info@envirovisionconsultants.com	

Project Name/No: 22-224 Linden School #10		Purchase Order	
EMSL LIMS Project ID (If applicable, EMSL will provide)		US State where samples collected: NJ	
Sampled By Name: Jordan Rysko		State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)	
Sampled By Signature: [Signature]		No. of Samples in Shipment	
Turn-Around-Time (TAT)			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 32 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 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/kg	SW 846-7000B	Flame Atomic Absorption	0.008% (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"/>
*Not appropriate for Ceramic Tiles - XRF is recommended	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
AIR	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"/>
TCPL	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"/>	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
Unpreserved <input checked="" type="checkbox"/> EL	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2				<input type="checkbox"/>
TSP/SPM Filter				<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1 SC10-KS-01	Kitchen (Sink)	200mL	6/11/22 1025
2 SC10-FP-02	Kitchen (Sink)		6/11/22 1027
3 SC10-WF-06	Hall by 114 (Fountain)		6/11/22 1035
4 SC10-WF-05	Hall by 114 (Fountain)		6/11/22 1037
5 SC10-WF-08	Hall by 112 (Fountain)		6/11/22 1040

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: J. Rysko	Date/Time:	Received by: [Signature]	Date/Time: 6/14/22 8:40 pm
Relinquished by:	Date/Time:	Received by: [Signature]	Date/Time: 6/15/22 9:40 am

Controlled Document - CQC-25 Lead R17 05/09/2022

*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.



EMSL ANALYTICAL, INC.
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Pb 6/29/22 JD

Lead Chain of Custody

EMSL Order Number / Lab Use Only

012209455

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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@gmail.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.)

[illegible]

Method of Shipment

Sample Condition Upon Receipt	
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Relinquished by:

J. Pysko

Date/Time:

Received by:

and by: LM COURIER

[illegible]

Date/Time	6/14/22 8:40pm
Date/Time	

Relinquished by:

Date/Time	Location	Activity	Remarks
10/10/2023 10:00	Room 101	Meeting	Discuss project progress
10/10/2023 14:30	Room 202	Training	Software training session
10/10/2023 18:00	Room 303	Dinner	Team dinner
10/11/2023 09:00	Room 101	Meeting	Client meeting
10/11/2023 13:00	Room 202	Training	Project management training
10/11/2023 17:00	Room 303	Dinner	Team dinner

Received by:

Date/Time	4/2/1
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Controlled Document - COC-25 Lead R17 05/09/2022



☒ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature)

ENSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to ENSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.