



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

CLIENT: Linden Public Schools
PROJECT: Lead in Drinking Water

Project Number 22-224
Soehl Middle School

ADDRESS: 300 E. Henry St, Linden, NJ 07036

Report Date: July 1, 2022

Field Technician: Jack Ruegg

As per your request, EnviroVision Consultants, Inc. was contracted by the Linden Public School District to conduct Lead (Pb) in drinking water sampling at the Soehl Middle School on June 11, 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 the 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).

Results: Seventeen samples were collected from the Soehl Middle School. In addition, a blank sample was collected and analyzed, as required, for Quality Assurance purposes.

All of the samples analyzed were either "None Detected" or below the United States Environmental Protection Agency (US EPA) threshold of 15 parts per billion (ppb) or ug/L.

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**

7/12/2022

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 Soehl Middle School

The reference number for these samples is EMSL Order #012209524. 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 07/12/2022 16:57:11 Replaces initial report from 07/01/2022 10:52:03 Sample description corrected for sample -0007.

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: 012209524

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 Soehl Middle School

Analytical Results

Client Sample Description		S-KS-01 Kitchen	Collected:		6/11/2022	Lab ID:		012209524-0001	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		2.28	1.00 µg/L		6/28/2022	KG	06/28/22 22:49	KG
Client Sample Description		S-FP-02 Kitchen	Collected:		6/11/2022	Lab ID:		012209524-0002	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		2.13	1.00 µg/L		6/28/2022	KG	06/28/22 22:51	KG
Client Sample Description		S-FP-03 Kitchen	Collected:		6/11/2022	Lab ID:		012209524-0003	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		3.85	1.00 µg/L		6/28/2022	KG	06/28/22 22:52	KG
Client Sample Description		S-WF-04 Outside Room 110	Collected:		6/11/2022	Lab ID:		012209524-0004	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		4.15	1.00 µg/L		6/28/2022	KG	06/28/22 22:54	KG
Client Sample Description		S-WF-05 Outside Room 107	Collected:		6/11/2022	Lab ID:		012209524-0005	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		4.96	1.00 µg/L		6/28/2022	KG	06/28/22 22:58	KG

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EMSL Order: 012209524

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Received: 06/15/22 9:00 AM

Project: 22-224 Soehl Middle School

Analytical Results

Client Sample Description		S-WC-06 Gym Lobby	Collected:	6/11/2022	Lab ID:	012209524-0006	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	1.48	1.00 µg/L	6/28/2022	KG	06/28/22 23:00	KG
Client Sample Description		S-WC-07 Boy's Locker	Collected:	6/11/2022	Lab ID:	012209524-0007	
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 23:01	KG
Client Sample Description		S-WF-08 Girl's Locker	Collected:	6/11/2022	Lab ID:	012209524-0008	
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 23:03	KG
Client Sample Description		S-WC-09 Across Room 101	Collected:	6/11/2022	Lab ID:	012209524-0009	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	5.89	1.00 µg/L	6/28/2022	KG	06/28/22 23:05	KG
Client Sample Description		S-WC-11 Faculty 2nd Floor	Collected:	6/11/2022	Lab ID:	012209524-0010	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	4.74	1.00 µg/L	6/28/2022	KG	06/28/22 23:09	KG

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EMSL Order: 012209524

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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 Soehl Middle School

Analytical Results

Client Sample Description S-WF-12
 Across Room 212 **Collected:** 6/11/2022 **Lab ID:** 012209524-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	11.9	1.00 µg/L	6/28/2022 KG	06/28/22 23:11 KG

Client Sample Description S-WF-13
 Across Room 209 **Collected:** 6/11/2022 **Lab ID:** 012209524-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.50	1.00 µg/L	6/28/2022 KG	06/28/22 23:12 KG

Client Sample Description S-NS-14
 Nurse Room **Collected:** 6/11/2022 **Lab ID:** 012209524-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.76	1.00 µg/L	6/28/2022 KG	06/28/22 23:17 KG

Client Sample Description S-WF-15
 Outside Pirncipal's Office **Collected:** 6/11/2022 **Lab ID:** 012209524-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.41	1.00 µg/L	6/28/2022 KG	06/28/22 23:19 KG

Client Sample Description S-WF-16
 Across Room 201 **Collected:** 6/11/2022 **Lab ID:** 012209524-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.08	1.00 µg/L	6/28/2022 KG	06/28/22 23:20 KG

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EMSL Order: 012209524

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 Soehl Middle School

Analytical Results

Client Sample Description S-WF-18
Across Room 303
Collected: 6/11/2022
Lab ID: 012209524-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.95	1.00 µg/L	6/28/2022 KG	06/28/22 23:22 KG

Client Sample Description S-WC-19
Faculty 3rd Floor
Collected: 6/11/2022
Lab ID: 012209524-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.93	1.00 µg/L	6/28/2022 KG	06/28/22 23:23 KG

Client Sample Description 18 S-BLANK
Collected: 6/11/2022
Lab ID: 012209524-0018

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 23:25 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



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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@emsl.com

012209524

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, 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 Soehl Middle School		Purchase Order:
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected:	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: Jack Rugg	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		

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input type="checkbox"/> % by wt. <input type="checkbox"/> ppm (avg) <input type="checkbox"/> mg/kg	SW 846-7000B	Flame Atomic Absorption	0.006% (80ppm)	<input type="checkbox"/>
*Reporting Limit based on a minimum 0.25g sample weight. *Not appropriate for Ceramic Tiles - XRF is recommended	SW 846-8010D*	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 846-8010D	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
ICLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-8010D*	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 846-8010D*	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 846-8010D*	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 846-8010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-8010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
Wastewater				
Unpreserved				
Preserved with HNO3 <input type="checkbox"/> PH-2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water				
Unpreserved <input checked="" type="checkbox"/> PH-2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH-2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1 S - KS - 01	kitchen	250mL	11:30 6/11/22
2 S - FP - 02	kitchen		11:31
3 S - FP - 03	kitchen		11:31
4 S - WF - 04	Outside Rm 110		11:35
5 S - WF - 05	Outside Rm. 107		11:37 ✓

Method of Shipment:	Sample Condition Upon Receipt:
Relinquished by: Jack Rugg	Received by: [Signature]
Date/Time: 6/14/22	Date/Time: 6/14/22 8:40 pm
Relinquished by:	Received by: Elyse
Date/Time:	Date/Time: 6/15/22 9:20

Controlled Document - CQC-25 Lead R17 05/08/2022

*8010C 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 Order Number / Lab Use Only

EMAIL: CinnaminsonLeadLab@gmail.com

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012209 524

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.)

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

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

Page 2 Of 2