



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

CLIENT: Garfield Public Schools Project Number 22-106
PROJECT: Lead in Drinking Water James Madison School
ADDRESS: 55 Lincoln Place, Garfield, NJ 07026 Report Date: June 15, 2022
Field Technician: Leonardo Bitondo

As per your request, EnviroVision Consultants, Inc. was contracted by Garfield Public School District to conduct Lead (Pb) in drinking water sampling at the James Madison School (#10) on May 21, 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 sample was 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: Six samples were collected from the James Madison School. All of the samples analyzed were either "None Detected" or less than the US EPA threshold for Lead in drinking water of 15 parts per billion (ppb) or ug/L. In addition, a required blank was collected for Quality Assurance purposes.

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.

Note: 1 ppb = 1ug/L

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

6/13/2022

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/28/2022. The results are tabulated on the attached data pages for the following client designated project:

22-106 Garfield Public Schools - James Madison School #10

The reference number for these samples is EMSL Order #012208440. 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: 012208440
 CustomerID: RAMA51
 CustomerPO:
 ProjectID:

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

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 5/24/2022 09:00 AM

Project: 22-106 Garfield Public Schools - James Madison School #10

Analytical Results

Client Sample Description 1-JM-KS *Collected:* 5/21/2022 *Lab ID:* 012208440-0001
 Kitchen 9:35:00 AM

<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
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METALS

200.8	Lead	5.06	1.00 µg/L	6/7/2022 VD	6/8/2022 04:57 VD
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Client Sample Description 2-JM-KS *Collected:* 5/21/2022 *Lab ID:* 012208440-0002
 Kitchen 9:36:00 AM

<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
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METALS

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/8/2022 04:59 VD
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Client Sample Description 3-JM-KS *Collected:* 5/21/2022 *Lab ID:* 012208440-0003
 Kitchen 9:37:00 AM

<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
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METALS

200.8	Lead	2.22	1.00 µg/L	6/7/2022 VD	6/8/2022 05:00 VD
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Client Sample Description 4-JM-KS *Collected:* 5/21/2022 *Lab ID:* 012208440-0004
 Kitchen 9:38:00 AM

<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
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METALS

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/8/2022 05:05 VD
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Client Sample Description 5-JM-KS *Collected:* 5/21/2022 *Lab ID:* 012208440-0005
 Kitchen 9:39:00 AM

<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
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METALS

200.8	Lead	1.59	1.00 µg/L	6/7/2022 VD	6/8/2022 05:07 VD
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**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: 012208440
 CustomerID: RAMA51
 CustomerPO:
 ProjectID:

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

Phone: (973) 636-9145
 Fax: (973) 636-9144
 Received: 5/24/2022 09:00 AM

Project: 22-106 Garfield Public Schools - James Madison School #10

Analytical Results

Client Sample Description 6-JM-KS *Collected:* 5/21/2022 *Lab ID:* 012208440-0006
 Kitchen 9:40:00 AM

<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	2.87	1.00 µg/L	6/7/2022 VD	6/8/2022 05:14 VD

Client Sample Description JM-Blank *Collected:* 5/21/2022 *Lab ID:* 012208440-0007
 Field Blank 9:41:00 AM

<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	6/7/2022 VD	6/8/2022 05:16 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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

012208440

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Customer Information	Customer ID:	Billing ID:	
	Company Name: EnviroVision Consultants, Inc	Company Name: EnviroVision Consultants, Inc	
	Contact Name: EnviroVision Consultants, Inc	Billing Contact: EnviroVision Consultants, Inc	
	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 Information

Project Name: 22-106 Garfield Public Schools - James Madison school #10

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NJ

State of Connecticut (CT) must select project location:
 Commercial (Taxable) Residential (Non-Taxable)

Sampled By Name: Leo Brito

Sampled By Signature: [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	0.008% (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"/>
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"/>
TCPLP	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"/>
TTLIC	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"/>
	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO3 <input type="checkbox"/> PH<2 <input type="checkbox"/>	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input checked="" type="checkbox"/> Preserved with HNO3 <input type="checkbox"/> PH<2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
	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	1 - Jm - KS	250 mL	5/21/22 935
2	2 - Jm - KS	250	936
3	3 - Jm - KS	↓	937
4	4 - Jm - KS	↓	938
5	5 - Jm - KS	↓	939

Method of Shipment: Prop off

Sample Condition Upon Receipt: HNO₃ added 5/24/22 8:00 am

Relinquished by: [Signature] Date/Time: _____

Received by: [Signature] (WI) Date/Time: 5/23/22 2:05 PM

Relinquished by: [Signature] Date/Time: _____

Received by: NJW COURIER Date/Time: 5/23/22 8:05 PM

[Signature] 5/24/22 9:00



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Lead Chain of Custody

EMSL Order Number / Lab Use Only

012208440

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

PHONE: (800) 220-3676

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.)

Jame Madison School

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	
6	Jm-KS	Kitchen	250	940 5/21/22
7	Jm-Blank	Blank	250	941 5/21/22

Method of Shipment: <i>Drop off</i>		Sample Condition Upon Receipt:	
Relinquished by: <i>[Signature]</i>	Date/Time:	Received by: <i>NW Courier</i>	Date/Time: <i>5/23/22 8:05pm</i>
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-25 Lead R18 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.