



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 Garfield High School
ADDRESS: 500 Palisades Avenue, 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 Garfield High School 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: Seven samples were collected from the Garfield High 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 5/24/2022. The results are tabulated on the attached data pages for the following client designated project:

22-106 Garfield Public Schools - High School

The reference number for these samples is EMSL Order #012208441. 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: 012208441
 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 - High School

Analytical Results

Client Sample Description 1-HS-KS Kitchen **Collected:** 5/21/2022 8:25:00 AM **Lab ID:** 012208441-0001

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

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/7/2022 22:41 VD
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Client Sample Description 2-HS-KS Kitchen **Collected:** 5/21/2022 8:26:00 AM **Lab ID:** 012208441-0002

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

200.8	Lead	1.34	1.00 µg/L	6/7/2022 VD	6/7/2022 22:46 VD
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Client Sample Description 3-HS-KS Kitchen **Collected:** 5/21/2022 8:27:00 AM **Lab ID:** 012208441-0003

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

200.8	Lead	3.37	1.00 µg/L	6/7/2022 VD	6/7/2022 22:47 VD
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Client Sample Description 4-HS-KS Kitchen **Collected:** 5/21/2022 8:28:00 AM **Lab ID:** 012208441-0004

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

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/7/2022 22:49 VD
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Client Sample Description 5-HS-KS Kitchen **Collected:** 5/21/2022 8:29:00 AM **Lab ID:** 012208441-0005

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

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/7/2022 22:51 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: 012208441
 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 - High School

Analytical Results

Client Sample Description 6-HS-ICE
 Kitchen
Collected: 5/21/2022
 8:30:00 AM
Lab ID: 012208441-0006

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

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/7/2022 22:52 VD
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Client Sample Description 7-HS-ICE
 Trainers Area
Collected: 5/21/2022
 8:32:00 AM
Lab ID: 012208441-0007

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

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/7/2022 22:54 VD
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Client Sample Description HS-Blank
 Blank
Collected: 5/21/2022
 8:33:00 AM
Lab ID: 012208441-0008

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

200.8	Lead	ND	1.00 µg/L	6/7/2022 VD	6/7/2022 22:58 VD
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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

012208441

PHONE: (800) 220-3675

EMAIL: Cinnaminson.LeadLab@emsl.com

Customer Information Customer ID: _____ Company Name: EnviroVision Consultants, Inc Contact Name: EnviroVision Consultants, Inc Street Address: 20-21 Wagaraw Rd Bldg 35E City, State, Zip: Fair Lawn, NJ 07410 Country: US Phone: 973-636-9145 Email(s) for Report: info@envirovisionconsultants.com	Billing Information Billing ID: _____ Company Name: EnviroVision Consultants, Inc Billing Contact: EnviroVision Consultants, Inc Street Address: 20-21 Wagaraw Rd Bldg 35E City, State, Zip: Fair Lawn, NJ 07410 Country: US Phone: 973-636-9145 Email(s) for Invoice: info@envirovisionconsultants.com
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Project Information	
Project Name/No: 22-106 Garfield Public Schools - High 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)	No. of Samples in Shipment: _____
Sampled By Name: Leo Bitondo	Sampled By Signature: <i>[Signature]</i>

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 *Reporting Limit based on a minimum 0.25g sample weight.	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
AIR	NIOSH 7092	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 *If no box is checked, non-ASTM Wipe is assumed.	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
	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 Unpreserved <input type="checkbox"/> <input type="checkbox"/> PH<2 Preserved with HNO ₃	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> <input checked="" type="checkbox"/> PH<2 Preserved with HNO ₃	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" 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	1-HS-KS	Kitchen	250 mL	5/21/22 825
2	2-HS-KS	Kitchen	↓	826
3	3-HS-KS	Kitchen	↓	827
4	4-HS-KS	Kitchen	↓	828
5	5-HS-KS	Kitchen	↓	829

Method of Shipment: _____		Sample Condition Upon Receipt: HNO₃ added 5/24/22 750 µL	
Relinquished by: <i>[Signature]</i>	Date/Time: _____	Received by: <i>[Signature]</i> (WJ)	Date/Time: 5-23-22 8:50pm
Relinquished by: _____	Date/Time: _____	Received by: NW Courier	Date/Time: 5/23/22 8:50pm

