



EnviroVision
Consultants, Inc.

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

CLIENT: Garfield School District
PROJECT: Lead in Drinking Water
ADDRESS: 241 Ray Street., Garfield, NJ 07026
Field Technician: Leonardo Bitondo

Project Number 22-106
E.C.L.C.
Report Date: June 15, 2022

As per your request, EnviroVision Consultants, Inc. was contracted by Garfield Public School District to conduct Lead (Pb) in water sampling at the Early Childhood Learning Center (ECLC) 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 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).

Three samples were collected from Early Childhood Learning Center. An additional sample was collected, as required, for Quality Assurance purposes.

Results: Two 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 (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.



EARLY CHILDHOOD LEARNING CENTER - LEAD(Pb) in Water Results of Concern

Outlet ID/Sample Number	Location	Results
44-ECLC-S	Kitchen	55.4 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.
- 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: **EnviroVision Consultants, Inc.**

6/13/2022

EnviroVision Consultants, Inc

20-21 Wagaraw Rd

Bldg 35E

Fair Lawn, NJ 07410

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 - Early Childhood Center

The reference number for these samples is EMSL Order #012208447. 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: 012208447
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 - Early Childhood Center

Analytical Results

Client Sample Description	Parameter	Result	RL Units	Collected:	Prep Date & Analyst	Lab ID:	Analysis Date & Analyst
44-ECLC-S Kitchen				5/21/2022 8:06:00 AM		012208447-0001	
METALS							
200.8	Lead	55.4	1.00 µg/L		6/7/2022 VD		6/8/2022 10:23 VD
45-ECLC-S Kitchen				5/21/2022 8:07:00 AM		012208447-0002	
METALS							
200.8	Lead	1.43	1.00 µg/L		6/7/2022 VD		6/8/2022 05:19 VD
46-ECLC-S Kitchen				5/21/2022 8:08:00 AM		012208447-0003	
METALS							
200.8	Lead	3.90	1.00 µg/L		6/7/2022 VD		6/8/2022 05:20 VD
ECLC-Blank Blank				5/21/2022 8:09:00 AM		012208447-0004	
METALS							
200.8	Lead	ND	1.00 µg/L		6/7/2022 VD		6/8/2022 05:22 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, LLC
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675

EMAIL: Cinnaminson.lead.lab@emsl.com

012208447

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

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 - Early childhood center	Purchase Order: _____
EMSL LIMS Project ID: _____ <small>(If applicable, EMSL will provide)</small>	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: Leopardo	Sampled By Signature: <i>[Signature]</i>
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. *24 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"/> ppb (mg/l) <input type="checkbox"/> mg/m ³	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"/>
	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"/>
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"/>
TTLG	22 CFR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CFR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CFR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CFR 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 HNO ₃ <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"/> EL5729	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Preserved with HNO ₃ <input type="checkbox"/> PH<2	Other: _____			<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1. 44-ECLC-S	Kitchen	250 mL	5/21/22 8:06
2. 45-ECLC-S	Kitchen	↓	8:07
3. 46-ECLC-S	Kitchen	↓	8:08
4. ECLC-Blank	Blank	250ml	8:09

Method of Shipment: Drop off	Sample Condition Upon Receipt: HNO₃ added 5/24/22 8:11 of
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i> (WL)
Date/Time: _____	Date/Time: 5/23/2022 2:29
Relinquished by: _____	Received by: NW Courier
Date/Time: _____	Date/Time: 5/23/22 8:00pm