



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

CLIENT: Springfield Public Schools Project Number 21-358R
PROJECT: Lead (Pb) in Water Sampling Jonathan Dayton High School -Retest
ADDRESS: 139 Mountain Avenue, Springfield NJ 07081
FIELD TECHNICIANS: Jordan Pryske REPORT DATE: April 1, 2022

As per your request, EnviroVision Consultants, Inc. was contracted by Springfield Public Schools to conduct Lead (Pb) in water sampling at the Jonathan Dayton High School on March 16, 2022. The sample locations, in addition to a unique sample location code was 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).

The drinking water samples were collected from seven areas of the Jonathan Dayton High School. These water outlets sampled were previously above the limit established by the United States Environmental Protection Agency of 15 parts per billion (ppb) or 15 ug/L.

Results: Six of the seven of the samples analyzed were either "None Detected" or less than the EPA established threshold for lead in drinking water. However, one sample still tested above the allowable limit established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb). When a water outlet/faucet meets or exceeds the USEPA threshold, EnviroVision recommends that the outlet/faucet be immediately put out of service until the system can be further evaluated and proper remedial action is achieved.



JONATHAN DAYTON HIGH SCHOOL- LEAD (Pb) in Water Results of Concern

Outlet ID/Sample Number	Location	Results
EC4-R (JD)	Culinary Arts	19.8 ppb

Due to the elevated levels in the above outlets, 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.

I have also enclosed documents with detailed steps from the New Jersey Department of Environmental Protection regarding notifications that must be made, posting of results, and initial and long-term remedial requirements.

If 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:

Cathy DiNardo
EnviroVision Consultants, Inc
20-21 Wagaraw Rd
Bldg 35E
Fair Lawn, NJ 07410

3/31/2022

Phone: (973) 636-9145

Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 3/17/2022. The results are tabulated on the attached data pages for the following client designated project:

Jonathan Dayton HS

The reference number for these samples is EMSL Order #012204125. 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: 012204125

CustomerID: RAMA51

CustomerPO:

ProjectID:

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

Phone: (973) 636-9145
Fax: (973) 636-9144
Received: 3/17/2022 09:00 AM

Project: Jonathan Dayton HS

Analytical Results

Client Sample Description FP3-R **Collected:** 3/16/2022 6:09:00 AM **Lab ID:** 012204125-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	13.6	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:13

Client Sample Description TL1-R **Collected:** 3/16/2022 6:12:00 AM **Lab ID:** 012204125-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.57	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:18

Client Sample Description FP4-R **Collected:** 3/16/2022 6:14:00 AM **Lab ID:** 012204125-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	10.3	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:19

Client Sample Description FP5-R **Collected:** 3/16/2022 6:15:00 AM **Lab ID:** 012204125-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.42	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:27

Client Sample Description EC1-R **Collected:** 3/16/2022 6:17:00 AM **Lab ID:** 012204125-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.21	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:29

**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: 012204125

CustomerID: RAMA51

CustomerPO:

ProjectID:

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

Phone: (973) 636-9145
Fax: (973) 636-9144
Received: 3/17/2022 09:00 AM

Project: Jonathan Dayton HS

Analytical Results

Client Sample Description EC4-R **Collected:** 3/16/2022 6:18:00 AM **Lab ID:** 012204125-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	19.8	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:30

Client Sample Description TL2-R **Collected:** 3/16/2022 6:20:00 AM **Lab ID:** 012204125-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	12.4	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:32

Client Sample Description Blank **Collected:** 3/16/2022 6:22:00 AM **Lab ID:** 012204125-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	3/29/2022 VD	3/29/2022 VD 11:33

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

Environmental Chemistry - Sampling Event Chain of Custody

EMSL Order Number 01204125

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

PHONE: (800) 220-3676
EMAIL: EnvChemistry2@EMSL.com

Customer ID:		Billing ID:	
Company Name: EnviroVision Consultants, Inc.		Company Name: EnviroVision Consultants, Inc.	
Contact Name: Cathy DiNardo		Billing Contact: Cathy DiNardo	
Street Address: 20-21 Wagaraw Rd		Street Address: 20-21 Wagaraw Rd	
City, State, Zip: Fair Lawn, NJ, 07410		City, State, Zip: Fair Lawn, NJ, 07410	
Country: US		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: Jonathan Dayton HS		Purchase Order:	
EMSL LIMS Project ID: (if applicable, EMSL will provide)		State of Connecticut (CT) must select project location:	
Samples for Compliance? <input type="checkbox"/> Yes <input type="checkbox"/> No		Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable) <input type="checkbox"/>	
If Yes, for NPDES? <input type="checkbox"/> Yes <input type="checkbox"/> No		PWS ID: <input type="checkbox"/>	
Samples Collected by (Check One): <input type="checkbox"/> EMSL <input checked="" type="checkbox"/> CLIENT		State Reporting Required? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Samples Received Chilled? <input type="checkbox"/> Yes <input type="checkbox"/> No		Samples(s) Temperature Upon Receipt (LAB ONLY)	
Sampled By Signature: J. Payko		No. of Samples in Shipment: 8	
Turn-Around-Time (TAT): Standard Turn-Around-Time: 2 Weeks		The following TAT's are subject to Lab approval. Call lab to confirm TAT before submitting.	

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line.)					Field PH Test Time	Field Temp. Deg.C	Field Temp. Test Time	Comments
						1 HCL	2 HNO3	3 H2SO4	4 ICE	5 Other				
1 FP3-R			3/16/22 0609	W	2									
2 TL1-R			3/16/22 0612	W	2									
3 FP4-R			3/16/22 0614	W	2									
4 FP5-R			3/16/22 0615	W	2									

Reporting Requirements: <input type="checkbox"/> Results Only <input type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> H2S results EDD <input type="checkbox"/> Excel <input type="checkbox"/> Other (Describe Above)	
Method of Shipment:	
Relinquished by: J. Payko	Date/Time: 3/16/22
Relinquished by: J. Payko	Date/Time: 3/16/22 8:30 pm
AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)	
Controlled Document - CQC-40 Chemistry Sampling Event R2 02/26/2021	



EMSL ANALYTICAL, INC.

Environmental Chemistry - Sampling Event Chain of Custody

EMSL Order Number/ Lab Use Only

012204125

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

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@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.)

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line.)						Comments		
						Test 1:	Test 2:	Test 3:	Test 4:	Field PH	Field PH Test Time		Field Temp. Deg.C	Field Temp. Test Time
5 FC1-R	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3/16/22 0617	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6 FC4-R	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3/16/22 0618	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
7 TL2-R	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3/16/22 0620	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8 BLANK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3/16/22 0622	W	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

RECEIVED

MAR 16 2022

MSL PISCATAWAY

Method of Shipment:

Relinquished by: J. Pysko

Date/Time: 3/16/22

Received by: Am cover

Date/Time: 3/16/22 8:30 pm

Relinquished by:

Date/Time:

Received by:

Date/Time:

Controlled Document - CQC-80 Chemistry Sampling Event R2 02/28/2021

☒ 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.