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: Springfield. Public Schools Project Number 21-358R
PROJECT: Lead (Pb) in Water Sampling Thelma Sandmeier School - Retest
ADDRESS: 666 S. Springfield Avenue, Springfield NJ 07081
FIELD TECHNICIANS: Jordan Prysko 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 Sandmeier Elementary 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 two areas of the Thelma Sandmeier Elementary School. The two water outlets re-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: One of the two samples collected 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.

SANDMEIER ELEMENTARY SCHOOL- LEAD (Pb) in Water Results of Concern

Outlet ID/Sample Number	Location	Results
P1-R (TSS)	Principal's Office Kitchen Faucet	33.2 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, DEP Overview of Lead in Drinking Water at School Facilities, DEP Guidance for Selecting a Remedial Measure for Lead Removal

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** 3/31/2022
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 3/17/2022. The results are tabulated on the attached data pages for the following client designated project:

Sandemier ES

The reference number for these samples is EMSL Order #012204123. 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

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: 012204123
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: **Sandemier ES**

Analytical Results

Client Sample Description P1-R ***Collected:*** 3/16/2022 6:38:00 AM ***Lab ID:*** *012204123-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	33.2	1.00	µg/L	3/28/2022 VD	3/28/2022 22:57 VD

Client Sample Description NS1-R ***Collected:*** 3/16/2022 6:40:00 AM ***Lab ID:*** *012204123-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	8.90	1.00	µg/L	3/25/2022 JM	3/26/2022 00:18 JW

Client Sample Description Blank ***Collected:*** 3/16/2022 6:42:00 AM ***Lab ID:*** *012204123-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	3/25/2022 JM	3/26/2022 00:26 JW

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

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

EMSL Order Number / Lab Use Only: 012204123

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

Customer Information

Customer ID:	
Company Name:	EnviroVision Consultants, Inc.
Contact Name:	Cathy DiNardo
Street Address:	20-21 Wagaraw Rd
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:	Cathy DiNardo
Street Address:	20-21 Wagaraw Rd
City, State, Zip:	Fair Lawn, NJ, 07410
Country:	US
Phone:	973-636-9145
Email(s) for Invoice:	info@envirovisionconsultants.com

Project Name/No: Sandemier ES

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: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Samples for Compliance? ☐ Yes ☐ No

If Yes, for NPDES? ☐ Yes ☐ No

Other (Specify)

PWS ID:

State Reporting Required? ☐ Yes ☐ No

Samples Collected by (Check One): ☐ EMSL ☑ CLIENT

Samples Received Chilled? ☐ Yes ☐ No

Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: Jordan Rysko

Sampled By Signature: J Rysko

No. of Samples in Shipment: 3

Turn-Around-Time (TAT) Standard Turn-Around-Time: ☑ 2 Weeks

This following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

	Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (W=Water, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1 HCL, 2 HNO3, 3 H2SO4, 4 ICE, 5 Other – Describe below in Special Instructions)	Test 1: Lead in Drinking Water	Test 2:	Test 3:	Test 4:	Field PH	Field PH Test Time	Field Temp. Deg.C	Field Temp. Test Time	Comments
1	P1-R	☐	☑	3/16/22 0638	W	2	☑	☐	☐	☐					
2	NS1-R	☐	☑	3/16/22 0640	W	2	☑	☐	☐	☐					
3	BLANK	☐	☑	3/16/22 0642	W	2	☑	☐	☐	☐					
		☐	☐				☐	☐	☐	☐					

RECEIVED
MAR 16 2022
EMSL PISCATAWAY

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Reporting Requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other (Describe Above)

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by: J. Rysko	Date/Time: 3/16/22	Received by: AM COURIER	Date/Time: 3/16/22 8:30 pm
Relinquished by:	Date/Time:	Received by: Eblynn	Date/Time: 3/17/22 9 am

Controlled Document - COC-80 Chemistry Sampling Event R2 02/26/2021

☑ 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.

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