



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410
(973) 636-9145/Email:info@envirovisionconsultants.com
NJ DOH IEHA Lic. # 1097

CLIENT: Scotch Plains – Fanwood School District Project No. 24-130
PROJECT: Lead (Pb) in Water Sampling Brunner Elementary School
ADDRESS: 721 Westfield Rd, Scotch Plains, NJ 07076
FIELD TECHNICIAN(S) Jordan Pryske
REPORT DATE: August 29, 2024

As per your request, EnviroVision Consultants, Inc. was contracted by Scotch Plains – Fanwood School District to conduct Lead (Pb) in drinking water sampling at the Brunner Elementary School on August 7, 2024. The sample locations, in addition to a unique sample location code was determined/assigned by school district personnel. The school district was to perform 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).

Twenty-five samples were collected from Brunner Elementary School. A blank sample was also collected and analyzed as required.

Results: Twenty-four of the twenty-five samples analyzed were either "None Detected" or less than the EPA established threshold for lead in drinking water of 15 parts per billion (ppb). The action level has been further defined for compliance by the New Jersey Department of Environmental Protection Agency as an amount greater than or equal to 15.5 ug/L (1ug/L = 1ppb). When a water outlet/faucet meets or exceeds the USEPA/NJDEP 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.



BRUNNER ELEMENTARY SCHOOL – LEAD (Pb) in Water Results of Concern

Outlet ID/Sample Number	Location	Results
BR.DW.FL-1-107	Classroom 107	204 ug/L (ppb)

Due to the elevated levels in the above outlets, we recommend some or all of the following steps be taken at this time;

- Closure of the affected water outlet until the system can be further evaluated and proper remedial action is achieved.
- Removal and replacement with non-containing lead 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.

Any water outlet used for drinking, food preparation, etc. that has not been tested, must be sampled prior to being utilized and/or put back into service. 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, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

EMSL Order ID: 012426442**LIMS Reference ID:** AC26442**EMSL Customer ID:** RAMA51**Attention:** Results

EnviroVision Consultants, Inc [RAMA51]
20-21 Wagaraw Rd, Bldg 35E
Fair Lawn, NJ 07410
(973) 636-9145
envirovision@optonline.net

Project Name:

Scotch Plains - Brunner Elementary School /
721 Westfield Rd. Scotch Plains, NJ

Customer PO:**EMSL Sales Rep:**

Gary Perlmutter

Received:

08/08/2024 07:33

Reported:

08/28/2024 12:08

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: BR.DW.FL-1.107/Classroom 107 Lims Reference ID: AC26442-01 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	204	D	5	5.00	µg/L	08/22/24 16:52	08/27/24 18:40	JW1	EPA 200.8 (Dig)/EPA 200.8
Sample: BR.DW.FL-1.106/Classroom 106 Lims Reference ID: AC26442-02 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 17:21	08/22/24 11:49	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.109/Faculty Room (109) Lims Reference ID: AC26442-03 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 17:21	08/22/24 11:55	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.110/Multipurpose Room (110) Lims Reference ID: AC26442-04 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 17:21	08/22/24 11:57	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.111/Classroom 111 Lims Reference ID: AC26442-05 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	1.40		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:03	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.121/Classroom 121 Lims Reference ID: AC26442-06 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	1.17		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:05	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.112/Classroom 112 Lims Reference ID: AC26442-07 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	3.85		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:06	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.113/Classroom 113 Lims Reference ID: AC26442-08 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	6.58		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:08	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.119/Classroom 119 Lims Reference ID: AC26442-09 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	5.76		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:10	PL	EPA 200.8 (DA)/EPA 200.8

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Analytical Results**(Continued)**

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: BR.DW.FL-1.115/Classroom 115 Lims Reference ID: AC26442-10 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:12	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.118/Classroom 118 Lims Reference ID: AC26442-11 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:16	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.124/Classroom 124 Lims Reference ID: AC26442-12 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	12.3		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:14	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.131-BF/Hall at 131/122 Lims Reference ID: AC26442-13 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:26	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.125/Classroom 125 Lims Reference ID: AC26442-14 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	7.74		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:28	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.126/Classroom 126 Lims Reference ID: AC26442-15 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	1.88		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:30	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.127/Classroom 127 Lims Reference ID: AC26442-16 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	3.68		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:31	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.128/Classroom 128 Lims Reference ID: AC26442-17 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	2.93		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:33	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-1.129/Classroom 129 Lims Reference ID: AC26442-18 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	2.32		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:35	PL	EPA 200.8 (DA)/EPA 200.8

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Analytical Results

(Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: BR.DW.FL-2.203/Classroom 203 Lims Reference ID: AC26442-19 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	3.20		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:37	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-2.202/Classroom 202 Lims Reference ID: AC26442-20 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	2.03		1	1.00	µg/L	08/19/24 17:21	08/22/24 12:39	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-2.210/Classroom 210 Lims Reference ID: AC26442-21 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	4.45		1	1.00	µg/L	08/19/24 18:24	08/22/24 22:33	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-2.205/Classroom 205 Lims Reference ID: AC26442-22 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	4.53		1	1.00	µg/L	08/19/24 18:24	08/22/24 22:38	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-2.207/Classroom 207 Lims Reference ID: AC26442-23 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	3.22		1	1.00	µg/L	08/19/24 18:24	08/22/24 22:40	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-2.211/Classroom 211 Lims Reference ID: AC26442-24 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	9.18		1	1.00	µg/L	08/19/24 18:24	08/22/24 22:42	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.DW.FL-2.206/Classroom 206 Lims Reference ID: AC26442-25 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	10.2		1	1.00	µg/L	08/19/24 18:24	08/22/24 22:44	PL	EPA 200.8 (DA)/EPA 200.8
Sample: BR.Blank/Blank Lims Reference ID: AC26442-26 Matrix: Drinking Water Sampled: 08/07/24 00:00:00									
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 18:24	08/22/24 22:50	PL	EPA 200.8 (DA)/EPA 200.8

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Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Lead	NJDEP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2024
NYSDOH	New York State Department of Health	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2024
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2024
California ELAP	California Water Boards	1877	06/30/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.

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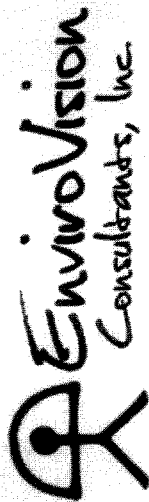
Notes and Definitions

Item	Definition
D	Analyte was reported from a dilution run.
E	Result is beyond calibration range. This value is estimated.
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.



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NJDOH IHEA Lic #: 1097

AC 26442

CLIENT	Scotch Plains Board of Education	ADDRESS	512 Cedar Street, Scotch Plains, NJ 07076
PROJECT	Scotch Plains - Brunner Elementary School	ADDRESS	721 Westfield Rd, Scotch Plains, NJ 07076
TECH	Jordan Prysko	SAMPLING DATE	8/7/24
		TECH	Jordan Prysko

LEAD IN DRINKING WATER DATA SHEET

Sample ID #	Date/Time Collected	Sample Location	Observations
BR.DW.FL-1.107	8/7/24 0855	Classroom 107	Bubbler
BR.DW.FL-1.106	8/7/24 0858	Classroom 106	Bubbler
BR.DW.FL-1.109	8/7/24 0901	Faculty Room (109)	Bottle Filler
BR.DW.FL-1.110	8/7/24 0904	Multipurpose Room (110)	Bottle Filler Only (w/tee)
BR.DW.FL-1.111	8/7/24 0907	Classroom 111	Bubbler
BR.DW.FL-1.121	8/7/24 0909	Classroom 121	Bubbler
BR.DW.FL-1.112	8/7/24 0911	Classroom 112	Bubbler
BR.DW.FL-1.113	8/7/24 0913	Classroom 113	Bubbler
BR.DW.FL-1.119	8/7/24 0915	Classroom 119	Bubbler
BR.DW.FL-1.115	8/7/24 0918	Classroom 115	Bubbler

CHAIN OF CUSTODY

Relinquished By:	Received By:	Date & Time
J. Prysko 8/7/24	J. Prysko (WJ)	8.7.24 @ 1:50 PM
	J. Prysko	8-7-24 1955

ANALYSIS:
Unpreserved, via EPA 200.8 ICP-MS (0.001 mg/L (ppm))
Preserved with HNO₃, via EPA 200.8 ICP-MS (0.001 mg/L (ppm))

Matrix: Drinking Water, Sample Type: Grab
Sample(s) Temperature Upon Receipt (Lab Only):
Bottle Size: 250 mL, wide mouth

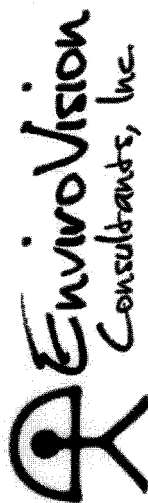
TURNAROUND TIME 7 DAYS / WEEKS

EMAIL RESULTS TO info@envirovisionconsultants.com

LABORATORY SUBMITTED TO:	Enviro
LAB ORDER #	

PAGE 1 OF 2

Preserved 8.7
Prysko



20-21 Wagaraw Road - Bldg. 35E, Fair Lawn, NJ 07410
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AC226442

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TECH	Jordan Prysko	SAMPLING DATE	8/7/24
		TECH	Jordan Prysko

LEAD IN DRINKING WATER DATA SHEET

Sample ID #	Date/Time Collected	Sample Location	Observations
BR.Dw.FL-1.118	8/7/24 0921	Classroom 118	Bubbler
BR.Dw.FL-1.124	8/7/24 0926	Classroom 121	Bubbler
BR.Dw.FL-1.131-8F	8/7/24 0928	Hall at 131/102	water Bottle Filler Only (new)
BR.Dw.FL-1.125	8/7/24 0931	Classroom 125	Bubbler
BR.Dw.FL-1.126	8/7/24 0933	Classroom 126	Bubbler
BR.Dw.FL-1.127	8/7/24 0935	Classroom 127	Bubbler
BR.Dw.FL-1.128	8/7/24 0937	Classroom 128	Bubbler
BR.Dw.FL-1.129	8/7/24 0939	Classroom 129	Bubbler
BR.Dw.FL-2.203	8/7/24 0945	Classroom 203	Bubbler
BR.Dw.FL-2.202	8/7/24 0948	Classroom 202	Bubbler
BR.Dw.FL-2.210	8/7/24 0957	Classroom 210	Bubbler
BR.Dw.FL-2.205	8/7/24 0955	Classroom 205	Bubbler
BR.Dw.FL-2.207	8/7/24 0958	Classroom 207	Bubbler
BR.Dw.FL-2.211	8/7/24 1002	Classroom 211	Bubbler
BR.Dw.FL-2.206	8/7/24 1004	Classroom 206	Bubbler
BR. BLANK	8/7/24 1010	Blank	