ENVIRONMENTAL CONNECTION INC
A Vertical Technologies Corporation

June 24, 2025

Mr. Matthew Hudson
Supervisor of Buildings and Grounds
Manasquan Board of Education
169 Broad Street
Manasquan, NJ 08736

Re: Lead in Water Sampling and Analysis

Facility: Manasquan Industrial Arts Building
167 Broad Street
Manasquan, New Jersey 08736

EC Project #: 24377-01

Environmental Connection, Inc., (EC) was contracted by the Manasquan Board of Education to collect and provide laboratory analysis of lead in water samples from Manasquan Industrial Arts Building, located at 167 Broad Street in Trenton, New Jersey. The sampling effort consisted of an initial site-visit to identify the Point of Entry (POE), the location where domestic water service enters the building, and to inventory all potable water outlets. Non-drinking water outlets such as bathroom sinks and outlets clearly labeled with signage prohibiting use as a potable water source were not included in the outlet inventory. The outlet inventory developed during the initial visit is summarized in Table 1 below.

Table 1- Lead in Water Sample Locations Manasquan Industrial Arts Building 167 Broad Street Manasquan, New Jersey 08736	
Sink Faucet in Ceramics Room	Water Chiller Fountain in Ceramics Room
Sink Faucet in Wood Shop	

The sampling event was performed after the outlet inventory visit. In accordance with United States Environmental Protection Agency (USEPA) guidelines for lead in water sampling, sample collection occurred after an approximately eight (8) hour stagnation period. The Manasquan Industrial Arts Building water sampling was performed on April 9, 2025, while the building was unoccupied.

Samples were collected in sterile 250 milliliter bottles. In accordance with USEPA sampling guidelines a 1st draw sample and flush draw sample were collected from each identified potable water outlet. Flush draw samples were collected after the 1st draw sample and a 30-second flush of the outlet. Note: Flush draw samples were not collected from outlets with incorporated holding tanks. Flush draw samples were only analyzed if the 1st draw sample lead in water concentration exceeded the United States Environmental Protection Agency (USEPA) and State of New Jersey, Department of Environmental Protection (NJDEP) Action Level of 15 parts per billion (ppb) or micrograms per liter (µg/L), otherwise flush draw samples were discarded.

Samples were labeled and transported to EMSL Analytical, Inc. (EMSL) in Cinnaminson, New Jersey. EMSL is certified by the NJDEP, for drinking water analysis. A neutralizing nitric acid (HNO_3) solution was added to each sample upon arrival at the laboratory. The water samples were analyzed in accordance with United States Environmental Protection Agency (USEPA) Method 200.8. Analytical results were compared to the USEPA and NJDEP Action Level to determine if further testing and/or remediation was

warranted. The complete laboratory analytical certificate and chain of custody record(s) are included in Attachment 1. The analytical results are summarized in Table 2 below.

Table 2- Lead in Water Analytical Results
Manasquan Industrial Arts Building
167 Broad Street Manasquan, New Jersey 08736
April 9, 2025

Sample #	Sample Location	Parameter	Results of 1st Draw Sample (ppb)	Results of Flush Draw Sample (ppb)	USEPA & NJDEP Action Level (ppb)
01	Sink Faucet in Ceramics Room	Lead	<1.00	Not Analyzed	15
02	Sink Faucet in Wood Shop	Lead	<1.00	Not Analyzed	15
03	Water Chiller Fountain in Ceramics Room	Lead	<1.00	Not Analyzed	15

None of the samples contained lead levels above the USEPA and NJDEP Action Level of 15 parts per billion (ppb). Based on the analytical results, no remedial action is recommended at this time.

Should you have any questions or require additional information, please contact the undersigned at your convenience.

Jordan Reed CIH, CSP
Project Manager

Attachment 1: Analytical Report, Chain of Custody for Lead in Water Sampling, and Sample Location Plan

ATTACHMENT I

Analytical Report, Chain of Custody for Lead in Water Sampling, and Sample Location Plan

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012516628
LIMS Reference ID: AD16628
EMSL Customer ID: ENVI65

Attention: Mike Moore
Environmental Connection, Inc. [ENVI65]
120 North Warren Street
Trenton, NJ 08608
(609) 392-4200
mmoore@vtihq.com

Project Name: Manasquan Industrial Arts Building - 167 Broad Street, Manasquan NJ

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 04/09/2025 13:00
Reported: 04/16/2025 17:20

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 01/Ceramics Room - Sink Faucet		**Lims Reference ID:**		**AD16628-01**	**Matrix: Drinking Water**				**Sampled: 04/09/25 06:17:00**
Metals									
Lead	ND		1	1.00	µg/L	04/14/25 14:53	04/15/25 15:23	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 02/Wood Shop - Sink Faucet		**Lims Reference ID:**		**AD16628-03**	**Matrix: Drinking Water**				**Sampled: 04/09/25 06:19:00**
Metals									
Lead	ND		1	1.00	µg/L	04/14/25 14:53	04/15/25 15:26	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 03/Ceramics Room - Water Chiller Fountain		**Lims Reference ID:**		**AD16628-05**	**Matrix: Drinking Water**				**Sampled: 04/09/25 06:21:00**
Metals									
Lead	ND		1	1.00	µg/L	04/14/25 14:53	04/15/25 15:34	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 04/Blank		**Lims Reference ID:**		**AD16628-06**	**Matrix: Drinking Water**				**Sampled: 04/09/25 00:00:00**
Metals									
Lead	ND		1	1.00	µg/L	04/14/25 14:53	04/15/25 15:36	PL	EPA 200.8 (DA)/EPA 200.8

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012516628
LIMS Reference ID: AD16628
EMSL Customer ID: ENVI65

Attention: Mike Moore
Environmental Connection, Inc. [ENVI65]
120 North Warren Street
Trenton, NJ 08608
(609) 392-4200
mmoore@vtihq.com

Project Name: Manasquan Industrial Arts Building - 167 Broad Street, Manasquan NJ

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 04/09/2025 13:00
Reported: 04/16/2025 17:20

Certified Analyses included in this Report

Analyte	Certifications
EPA 200.8 in Drinking Water	
Lead	NJDEP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	2845.25	11/30/2025
NYSDOH	New York State Department of Health ELAP	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2025
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2025
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2026
California ELAP	California Water Boards	1877	06/30/2025
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	05/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2026

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.

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012516628
LIMS Reference ID: AD16628
EMSL Customer ID: ENVI65

Attention: Mike Moore
Environmental Connection, Inc. [ENVI65]
120 North Warren Street
Trenton, NJ 08608
(609) 392-4200
mmoore@vtihq.com

Project Name: Manasquan Industrial Arts Building - 167 Broad Street, Manasquan NJ

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 04/09/2025 13:00
Reported: 04/16/2025 17:20

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DA	Direct 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
RCS	Respirable Crystalline Silica
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

ENVIRONMENTAL CONNECTION INC

A Vertical Technologies Corporation

Potable Water Sampling for Lead Concentration Sample Collection Form

Client Information

Name: Manasquan Board of Education
Address: 167 Broad Street, Manasquan NJ
Client Rep.: Mathew Hudson

School Project Information

Building Id:
Building No./Name: Manasquan Industrial Arts Building
Building Address: 167 Broad Street, Manasquan NJ
Contact Name & Numbers:

(0)Yr. Built	(1)Yr. 1st Add.:	(2)Yr. 2nd Add.:	(3)Yr. 1st Mod.:	(4)Yr. 2nd Mod.:

Inspector(s): M.Moore Date of Sampling: 04/09/25

Sample Data

Sample Description ID (ID Must Match Container Label)								Outlet Information				Results
Sample #	Floor	Functional Space Code	IN/BY	Room Number	Construc. Code	Sample/Outlet Code	Sampled Outlet Location/Coordinates	MFS/Model Serial #	0 Seconds	30 Seconds	Time of Collection (24 Hr)	Lead Conc. (ppb)
01	01	Ceramics		Room			Sink Faucet				6:17	
F-01	01	Ceramics		Room			Sink Faucet				6:18	
02	01	Wood		Shop			Sink Faucet				6:19	
F-02	01	Wood		Shop			Sink Faucet				6:20	
03	01	Ceramics		Room			Water Chiller Fountain				6:21	
04	Blank						Blank					

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNo3 @ pH<2 by field__or to be preserved by lab X

Chain of Custody

Relinquished By:	Received By:	Date/Time:
	(MT)	04/09/25
		4.9.25 @ 9:20AM
	(MT)	4/09/25 1300

HNO3 added @ 1:45pm on 4/10/25 PG

Method of Shipment/delivery: ____Fed-Ex ____ Hand Delivery ___ US Mail ___ UPS___ Courier ___ Other:_____

Instructions to the Laboratory

☒ Analyze "30 seconds" sample(s) **ONLY** when Initial sample exceeds 15 ppb
☐ Analyze both initial and follow-up samples
☐ Other: Follow QAPP

Lab:

Report Results To: Mike Moore
☐ Phone (609) 392-4200
☒ Email: mmoore@vtihq.com
☐ Fax: (609) 392-4200

Comments: Provide electronic and hard copy of Sample Chain of Custody with sample results and final analytical report.

TURN AROUND TIME REQUESTED: 1 WEEK