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 $1^{\rm st}$ draw sample and flush draw sample were collected from each identified potable water outlet. Flush draw samples were collected after the $1^{\rm st}$ 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 $1^{\rm st}$ 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 (μ g/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 (HNO₃) 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

Manasquan Board of Education Lead in Water Testing Manasquan Industrial Arts Building Page 2 of 2

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.

	Manasqı	uan Industrial <i>A</i>	New Jersey 08736	í	
Sample #	Sample # Sample Location		Results of 1 st 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

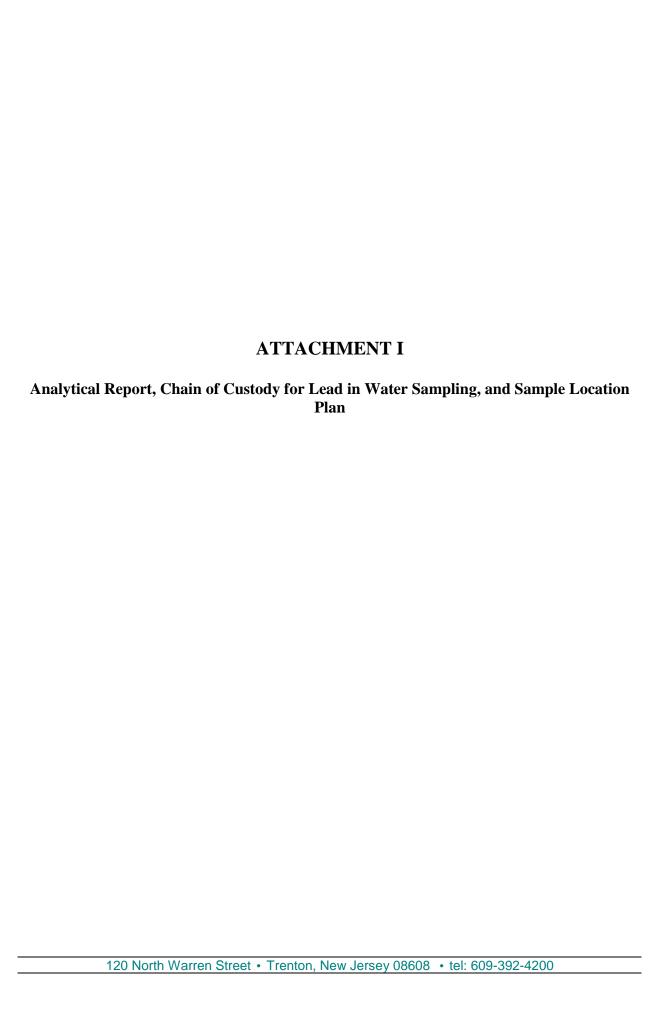
None of the samples contained lead levels above the USEPA and NJDEP Action Level of 15 parts per billion (ppb). Based on the analytical results, no remedial action is recommended at this time.

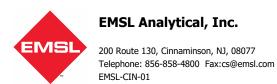
Should you have any questions or require additional information, please contact the undersigned at your convenience.

Jordan Reed CIH, CSP

Project Manager

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





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

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

Attention: Mike Moore

Environmental Connection, Inc. [ENVI65] 120 North Warren Street Trenton, NJ 08608 (609) 392-4200

mmoore@vtihq.com

Analytical Results

Analyte	Result	Q [DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analys Initial	. ,
Sample: 01/Ceramics Room - Sink Faucet		Lims F	Reference	D:	AD16628-01	Matrix: Drinking	g 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 F	Reference	ID:	AD16628-03	Matrix: Drinking	g 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 F	Reference	ID:	AD16628-05	Matrix: Drinking	g 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

Attention: Mike Moore

Project Name: Manasquan Industrial Arts Building - 167

Broad Street, Manasquan NJ

EMSL Order ID: 012516628 LIMS Reference ID: AD16628

EMSL Customer ID: ENVI65

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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 for a complete listing of parameters for which EMSL is certified.



Attention: Mike Moore

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

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Notes and Definitions

<u>Item</u> **Definition** For metals analysis, sample was digested. (Dig) [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. Qualifier Q 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

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.



ENVIRONMENTAL CONNECTION INC.

A Vertical Technologies Corporation

Potable Water Sampling for Lead Concentration Sample Collection Form

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