



January 18, 2022

Mr. Mathew Hudson
Supervisor of Buildings and Grounds
Manasquan Board of Education
169 Broad Street
Manasquan, New Jersey 08736

Re: Summary Report
Lead in Water Testing and Analysis

Facility: Manasquan Administration Building
167 Broad Street
Manasquan, New Jersey

EC Project #: 20435-01

Environmental Connection, Inc., (EC) was contracted by the Manasquan Board of Education to collect and provide laboratory analysis of representative water samples from the Manasquan Administration Building, located at 167 Broad Street in Manasquan, New Jersey. Sampling was completed on December 29, 2021, between the hours of 7:20 AM and 7:30 AM during a period when the building was unoccupied.

Samples were collected from two (2) locations, as follows:

Table 1- Lead in Water Sample Locations Manasquan Administration Building 167 Broad Street, Manasquan, New Jersey December 29, 2021	
First Floor Sink Faucet in Closet	Second Floor Sink Faucet in Restroom

Samples were collected in sterile 250 milliliter bottles, pre-treated with nitric acid solution (HNO₃). The samples were delivered to EMSL Analytical, Inc. (EMSL) of Cinnaminson, New Jersey, on December 29, 2021. EMSL is certified by the State of New Jersey, Department of Environmental Protection (NJDEP), for drinking water analysis.

Analysis was completed in accordance with United States Environmental Protection Agency (USEPA) Method 200.8. The USEPA and NJDEP Action Level of 15 parts per billion (ppb) or micrograms per liter (µg/L) was used to determine if further testing and/or remediation is warranted.

Results of analysis are summarized in Table 2 below.



Table 2- Lead in Water Results of Analysis Administration Building 167 Broad Street Manasquan, New Jersey					
Sample #	Sample Location	Parameter	Results of 1 st Draw Sample (ppb)	Results of 2 nd Draw Sample (ppb)	USEPA and NJDEP Action Level (ppb)
01	Sink Faucet in First Floor Closet	Lead in Water	<1.00	N/A	15
02	Sink Faucet in Second Floor Restroom	Lead in Water	1.25	N/A	15

All samples were below the USEPA and NJDEP Action Level of 15 ppb. No remedial actions are required at this time.

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

Respectfully Submitted:
ENVIRONMENTAL CONNECTION, INC.

Mike Moore
Project Manager

Attachment 1: Sample Location Plan, 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 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Jordan Reed
Environmental Connection, Inc.
120 North Warren Street
Trenton, NJ 08608

1/7/2022

Phone: (609) 392-4200
Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/30/2021. The results are tabulated on the attached data pages for the following client designated project:

Administration Bldg. (Manasquan BOE)

The reference number for these samples is EMSL Order #012200022. 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:

Phillip Worby, Environmental 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: 012200022

CustomerID: ENVI65

CustomerPO:

ProjectID:

Attn: **Jordan Reed**
Environmental Connection, Inc.
120 North Warren Street
Trenton, NJ 08608

Phone: (609) 392-4200
 Fax:
 Received: 12/30/2021 09:00 AM

Project: Administration Bldg. (Manasquan BOE)

Analytical Results

Client Sample Description 01 **Collected:** 12/27/2021 **Lab ID:** 012200022-0001
 1st Flr Sink / Sink Faucet / 1st Draw 7:24:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/5/2022 23:30 KB

Client Sample Description 02 **Collected:** 12/27/2021 **Lab ID:** 012200022-0003
 2nd Flr Sink / Sink Faucet / 1st Draw 7:26:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.25	1.00 ppb	1/5/2022 KB	1/5/2022 23:33 KB

Client Sample Description 03 **Collected:** 12/27/2021 **Lab ID:** 012200022-0005
 Blank

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/5/2022 23:39 KB

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

012200022



ENVIRONMENTAL CONNECTION INC

A Vertical Technologies Corporation

Potable Water Sampling for Lead Concentration Sample Collection Form

Client Information

Name: Manasquan BOE
 Address: 167 Broad Street
 Client Rep.: Mathew Hudson

School Project Information

Building Id:
 Building No./Name: Administration Bldg.
 Building Address:
 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: 12/29/21

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)	
1 01	01	1st Flr	m	1st Flr Sink	0	SF	Sink Faucet				7:24		
2 01	01	1st Flr	m	1st Flr Sink	0	SF					7:25		
3 02	02	2nd Flr	m	2nd Flr Sink	0	SF					7:26		
4 02	02	2nd Flr	m	2nd Flr Sink	0	SF					7:27		
5 03	03	Drum		Drum			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

Chain of Custody

Relinquished By:	Received By:	Date/Time:
<u>[Signature]</u>	<u>Alexander Courier</u>	<u>12/29/21 7:15 PM</u>
	<u>[Signature]</u>	<u>12/30/21 9:00 AM</u>

(5) [Signature]
Rec. passed

Method of Shipment/delivery: Fed-Ex Hand Delivery US Mail UPS Courier Other:

Instructions to the Laboratory

<input checked="" type="checkbox"/> Analyze "30 seconds" sample(s) ONLY when Initial sample exceeds 15 ppb <input type="checkbox"/> Analyze both initial and follow-up samples <input type="checkbox"/> Other: Follow QAPP	Lab:	Report Results To: Jordan Reed <input type="checkbox"/> Phone (609) 392-4200 <input checked="" type="checkbox"/> Email jreed@vtihq.com <input type="checkbox"/> Fax: (609) 392-1216
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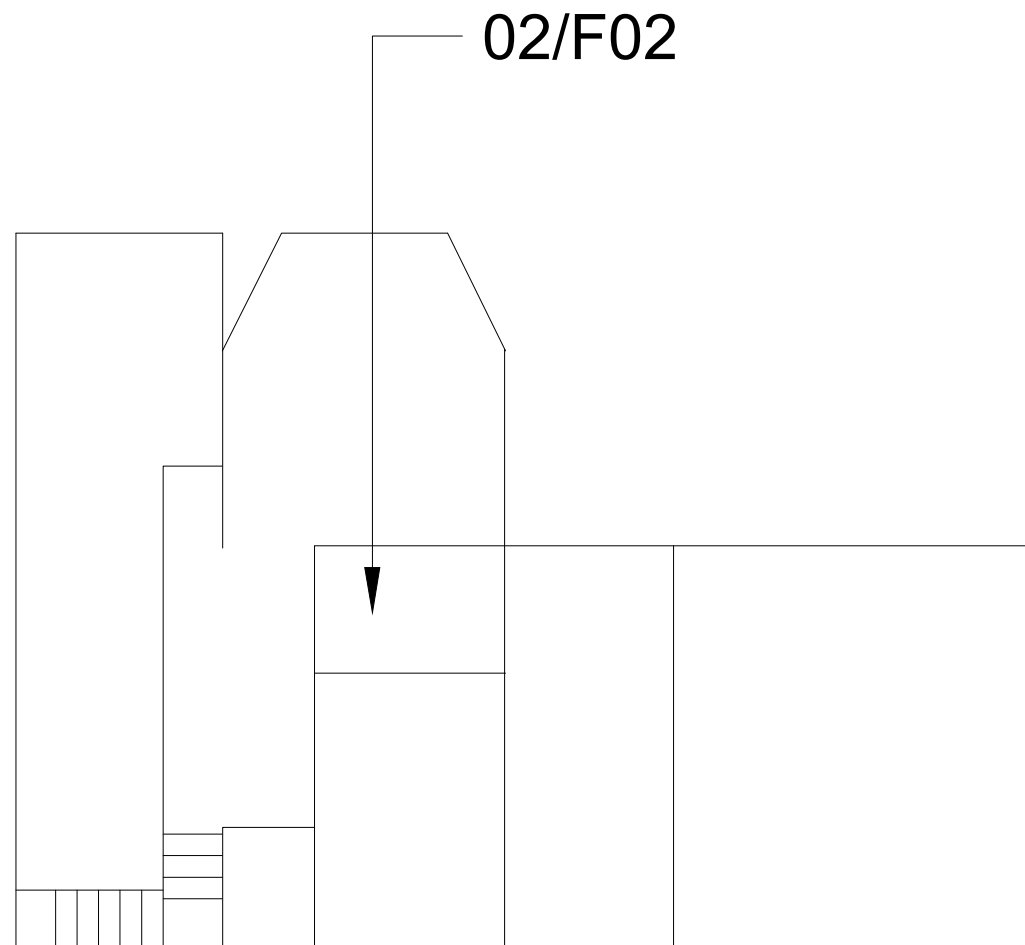
Comments: Provide electronic and hard copy of Sample Chain of Custody with sample results and final analytical report.

TURN AROUND TIME REQUESTED: 1 WEEK

FIRST FLOOR



SECOND FLOOR



ENVIRONMENTAL CONNECTION INC
A Vertical Technologies Corporation

Environmental Consulting, Auditing & Investigations

120 North Warren Street
Trenton, NJ 08608

TEL: 609-392-4200 FAX: 609-392-1216
EMAIL: info@vtihq.com WEB: www.VTIHQ.com

No.	Date	Issue or Revision
01	01/14/22	Issued for Review

LIW SAMPLE LOCATION PLAN
 MANASQUAN BOARD OF EDUCATION
 ADMINISTRATION BUILDING
 FIRST/ SECOND FLOOR
 167 BROAD STREET, MANASQUAN, NJ

Date: 01/14/22

Scale: NTS

Drawn By: MEM

Project No: 20435-01

Drawing Title

SAMPLE LOCATION PLAN

Drawing No.

SL-01