



ENVIRONMENTAL CONNECTION INC

A Vertical Technologies Corporation

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 High School
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 High School, located at 167 Broad Street in Manasquan, New Jersey. Sampling was completed on December 29, 2021, between the hours of 4:00 AM and 5:15 AM during a period when the building was unoccupied.

Samples were collected from 33 locations, as follows:

Table 1- Lead in Water Sample Locations Manasquan High School 167 Broad Street, Manasquan, New Jersey December 29, 2021	
Boiler Room Slop Sink (Closest Outlet to Point of Entry)	Sink Faucet in Rear of Kitchen in Storage Room
Sink Faucet in Room 121	Water Chiller Fountain in Hallway by Room 109
Water Chiller Fountain in Hallway by South Gym	Sink Faucet in Basement Counselor Area
Water Chiller Fountain in Hallway by Boys Locker Room	Water Chiller Fountain in Hall by room 468
Sink Faucet in Trainers Room	Sink Faucet in Room 465
Bottle Fill Wand in Trainers Room	Sink Faucet in Nurses Room
Sink Faucet in Room 118	Sink Faucet in Library
Water Chiller Fountain in Hallway by Room 101	Sink Faucet in Home Economics Room
Sink Faucet in Principals Office Restroom	Sink Faucet in Exterior Restroom (Men's)
Sink Faucet in Cafeteria Serving Line	Sink Faucet in Exterior Restroom (Women's)
Water Chiller Fountain in Cafeteria	Water Chiller Fountain in Second Floor Hall (Above Science Labs)
Sink Faucet in Kitchen (Handwash)	Sink Faucet in Room 221
Sink Faucet in Kitchen (At Refrigerator)	Sink Faucet in Room 220
Sink Faucet in Kitchen (Pot Fill Station)	Water Chiller Fountain in Hall by Room 201



Table 1- Lead in Water Sample Locations Manasquan High School 167 Broad Street, Manasquan, New Jersey December 29, 2021	
Sink Faucet in Second Floor Teachers Lounge	Water Chiller Fountain in Hall by Teachers lounge
Water Chiller Fountain in Hall by Room 570	Sink Faucet in Art Room

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 Manasquan High School 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	Slop Sink in Boiler Room	Lead in Water	1.98	<1.00	15
02	Sink Faucet in Room 121	Lead in Water	<1.00	N/A	15
03	Water Chiller Fountain in Hall by South Gym	Lead in Water	<1.00	N/A	15
04	Water Chiller Fountain in Hall by Boys Locker Room	Lead in Water	8.56	N/A	15
05	Sink Faucet in Trainers Room	Lead in Water	<1.00	N/A	15
06	Bottle Fill Wand in Trainers Room	Lead in Water	<1.00	N/A	15
07	Sink Faucet in Room 118	Lead in Water	3.58	N/A	15
08	Water Chiller Fountain in Hall by Room 101	Lead in Water	<1.00	N/A	15



**Table 2- Lead in Water Results of Analysis
Manasquan High School
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)
09	Sink Faucet in Principals Office Restroom	Lead in Water	1.15	N/A	15
10	Sink Faucet in Cafeteria at Serving Line	Lead in Water	<1.00	N/A	15
11	Water Chiller Fountain in Cafeteria	Lead in Water	<1.00	N/A	15
12	Sink Faucet in Kitchen at Handwash Station	Lead in Water	7.28	N/A	15
13	Sink Faucet in Kitchen at Refrigerator	Lead in Water	1.50	N/A	15
14	Sink Faucet in Kitchen at Pot Fill Station	Lead in Water	<1.00	N/A	15
15	Sink Faucet in Kitchen at Dish Wash Station	Lead in Water	<1.00	N/A	15
16	Sink Faucet in Kitchen Storage	Lead in Water	<1.00	N/A	15
17	Water Chiller Fountain in Hall by Room 109	Lead in Water	<1.00	N/A	15
18	Sink Faucet in Basement Counselor Area	Lead in Water	1.74	N/A	15
19	Water Chiller Fountain in Hall by Room 468	Lead in Water	22.7	N/A	15
20	Sink Faucet in Room 465	Lead in Water	<1.00	N/A	15
21	Sink Faucet in Nurses Room	Lead in Water	<1.00	N/A	15
22	Sink Faucet in Library	Lead in Water	<1.00	N/A	15
23	Sink Faucet in Home Economics Room	Lead in Water	<1.00	N/A	15
24	Exterior Restroom (Men's)	Lead in Water	3.52	N/A	15
25	Exterior Restroom (Women's)	Lead in Water	2.76	N/A	15



**Table 2- Lead in Water Results of Analysis
Manasquan High School
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)
26	Water Chiller Fountain in Second Floor Hall above Science Labs	Lead in Water	<1.00	N/A	15
27	Sink Faucet in Room 221	Lead in Water	3.00	N/A	15
28	Sink Faucet in Room 220	Lead in Water	13.8	N/A	15
29	Water Chiller Fountain in Hall by Room 201	Lead in Water	<1.00	N/A	15
30	Sink Faucet in Teachers Lounge	Lead in Water	<1.00	N/A	15
31	Water Chiller Fountain in Hall by Teachers Lounge	Lead in Water	<1.00	N/A	15
32	Water Chiller Fountain by Room 570	Lead in Water	40.8	N/A	15
33	Sink Faucet in Art Room	Lead in Water	<1.00	N/A	15

Detected lead levels exceeded the USEPA and NJDEP Action Level of 15 ppb at two (2) locations. At a minimum, these locations should not be used for drinking or cooking until remediation is completed.

Two (2) water chiller fountains, in the Hallway adjacent to Room 468 and in the Hallway adjacent to Room 570, exhibited lead levels above the NJDEP Action Level of 15 ppb. EC recommends that the fixture and associated supply piping back to the main be replaced with lead free plumbing components in each of these locations.

At the completion of remediation option(s), re-testing should be performed at the remediated fixtures to determine effectiveness of the remedial measures.



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: 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:

Manasquan High School - 165 Broad Street

The reference number for these samples is EMSL Order #012200035. 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: 012200035

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: **Manasquan High School - 165 Broad Street****Analytical Results**

Client Sample Description 01
 1st Floor / Boiler Rm / Slop Sink / 1st Draw
Collected: 12/28/2021 4:04:00 AM
Lab ID: 012200035-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.98	1.00 ppb	1/5/2022 KB	1/5/2022 23:48 KB

Client Sample Description 02
 1st Floor / Rm 121 / Sink Faucet / 1st Draw
Collected: 12/28/2021 4:08:00 AM
Lab ID: 012200035-0003

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 23:56 KB

Client Sample Description 03
 1st Floor / Hall by South Gym / Water Chiller Fountain / 1st Draw
Collected: 12/28/2021 4:10:00 AM
Lab ID: 012200035-0005

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 23:59 KB

Client Sample Description 04
 1st Floor / Hall by Boys Locker Rm / Water Chiller Fountain / 1st Draw
Collected: 12/28/2021 4:11:00 AM
Lab ID: 012200035-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.56	1.00 ppb	1/5/2022 KB	1/6/2022 00:01 KB

Client Sample Description 05
 1st Floor / Trainers Rm / Sink Faucet / 1st Draw
Collected: 12/28/2021 4:13:00 AM
Lab ID: 012200035-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:02 KB

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EMSL Order: 012200035

CustomerID: ENVI65

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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: **Manasquan High School - 165 Broad Street****Analytical Results**

Client Sample Description 06
 1st Floor / Trainers Rm / Bottle Fill Wash / 1st Draw
Collected: 12/28/2021 4:15:00 AM
Lab ID: 012200035-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:05 KB

Client Sample Description 07
 1st Floor / Rm 118 / Sink Faucet / 1st Draw
Collected: 12/29/2021 4:16:00 AM
Lab ID: 012200035-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.58	1.00 ppb	1/5/2022 KB	1/6/2022 00:08 KB

Client Sample Description 08
 1st Floor / Hall by Rm 101 / Wtater Chiller Fountain / 1st Draw
Collected: 12/29/2021 4:19:00 AM
Lab ID: 012200035-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:17 KB

Client Sample Description 09
 1st Floor / Principal Office / Sink Faucet / 1st Draw
Collected: 12/29/2021 4:20:00 AM
Lab ID: 012200035-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.15	1.00 ppb	1/5/2022 KB	1/6/2022 00:18 KB

Client Sample Description 10
 1st Floor / Cafeteria / Sink Faucet @ Serving Line / 1st Draw
Collected: 12/29/2021 4:22:00 AM
Lab ID: 012200035-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:21 KB

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

Project: Manasquan High School - 165 Broad Street

Analytical Results

Client Sample Description 11
 1st Floor / Water Chiller Fountain / 1st Draw
Collected: 12/29/2021 4:25:00 AM
Lab ID: 012200035-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:24 KB
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Client Sample Description 12
 1st Floor / Kitchen / Sink Faucet (Hand Wash) / 1st Draw
Collected: 12/29/2021 4:26:00 AM
Lab ID: 012200035-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	7.28	1.00 ppb	1/5/2022 KB	1/6/2022 00:26 KB
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Client Sample Description 13
 1st Floor / Kitchen / Sink Faucet (@ Fridge) / 1st Draw
Collected: 12/29/2021 4:28:00 AM
Lab ID: 012200035-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	1.50	1.00 ppb	1/5/2022 KB	1/6/2022 00:36 KB
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Client Sample Description 14
 1st Floor / Kitchen / Sink Faucet (Pot Fill) / 1st Draw
Collected: 12/29/2021 4:30:00 AM
Lab ID: 012200035-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:42 KB
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Client Sample Description 15
 1st Floor / Kitchen / Sink Faucet (Dishwash) / 1st Draw
Collected: 12/29/2021 4:32:00 AM
Lab ID: 012200035-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:48 KB
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Trenton, NJ 08608

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

Project: Manasquan High School - 165 Broad Street

Analytical Results

Client Sample Description 16
 1st Floor / Kitchen / Sink Faucet (Storage) / 1st Draw
Collected: 12/29/2021 4:34:00 AM
Lab ID: 012200035-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:51 KB

Client Sample Description 17
 1st Floor / Hall by Rm 109 / Water Chiller Fountain / 1st Draw
Collected: 12/29/2021 4:38:00 AM
Lab ID: 012200035-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 00:54 KB

Client Sample Description 18
 1st Floor / Counselor Area / Basement Coun./ Sink Faucet / 1st Draw
Collected: 12/29/2021 4:39:00 AM
Lab ID: 012200035-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.74	1.00 ppb	1/5/2022 KB	1/6/2022 00:55 KB

Client Sample Description 19
 1st Floor / Hall by Rm 465 / Water Chiller Fountain / 1st Draw
Collected: 12/29/2021 4:41:00 AM
Lab ID: 012200035-0032

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	22.7	1.00 ppb	1/5/2022 KB	1/6/2022 01:01 KB

Client Sample Description 20
 1st Floor / Rm 465 / Sink Faucet / 1st Draw
Collected: 12/29/2021 4:43:00 AM
Lab ID: 012200035-0033

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 01:06 KB

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EMSL Order: 012200035

CustomerID: ENVI65

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ProjectID:

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120 North Warren Street
Trenton, NJ 08608

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

Project: **Manasquan High School - 165 Broad Street****Analytical Results**

Client Sample Description 21
 1st Floor / Nurse / Sink Faucet / 1st Draw
Collected: 12/29/2021 4:46:00 AM
Lab ID: 012200035-0035

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 01:09 KB
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Client Sample Description 22
 1st Floor / Library / Sink Faucet / 1st Draw
Collected: 12/29/2021 4:48:00 AM
Lab ID: 012200035-0037

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 01:12 KB
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Client Sample Description 23
 1st Floor / Home Economics / Sink Faucet / 1st Draw
Collected: 12/29/2021 4:50:00 AM
Lab ID: 012200035-0039

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 01:14 KB
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Client Sample Description 24
 1st Floor / Exterior in Ext. Restroom / Sink Faucet (M) / 1st Draw
Collected: 12/29/2021 4:54:00 AM
Lab ID: 012200035-0041

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	3.52	1.00 ppb	1/5/2022 KB	1/6/2022 20:04 KB
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Client Sample Description 25
 1st Floor / Exterior in Ext. Restroom / Sink Faucet (W) / 1st Draw
Collected: 12/29/2021 4:56:00 AM
Lab ID: 012200035-0043

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	2.76	1.00 ppb	1/5/2022 KB	1/6/2022 20:13 KB
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Phone: (609) 392-4200
 Fax:
 Received: 12/30/2021 09:00 AM

Project: **Manasquan High School - 165 Broad Street****Analytical Results**

Client Sample Description 26
 2nd Floor / Hall by 2nd Fr. Hall / Water Chiller
 Fountain / 1st Draw
Collected: 12/29/2021 4:59:00 AM
Lab ID: 012200035-0045

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 20:16 KB

Client Sample Description 27
 2nd Floor / Rm 221 / Sink Faucet / 1st Draw
Collected: 12/29/2021 5:03:00 AM
Lab ID: 012200035-0046

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.00	1.00 ppb	1/5/2022 KB	1/6/2022 20:17 KB

Client Sample Description 28
 2nd Floor / Rm 220 / Sink Faucet / 1st Draw
Collected: 12/29/2021 5:05:00 AM
Lab ID: 012200035-0048

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	13.8	1.00 ppb	1/5/2022 KB	1/6/2022 20:20 KB

Client Sample Description 29
 2nd Floor / Hall by Rm 2011 / Water Chiller
 Fountain / 1st Draw
Collected: 12/29/2021 5:08:00 AM
Lab ID: 012200035-0050

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 20:23 KB

Client Sample Description 30
 2nd Floor / Lounge in Teachers Lounge / Sink
 Faucet / 1st Draw
Collected: 12/29/2021 5:12:00 AM
Lab ID: 012200035-0051

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 20:25 KB

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Project: **Manasquan High School - 165 Broad Street****Analytical Results**

Client Sample Description 31
 2nd Floor / Hall by Teachers Lounge / Water
 Chiller Fountain / 1st Draw
Collected: 12/29/2021 5:14:00 AM
Lab ID: 012200035-0053

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 20:34 KB

Client Sample Description 32
 2nd Floor / Hall by Rm 570 / Water Chiller
 Fountain / 1st Draw
Collected: 12/29/2021 5:16:00 AM
Lab ID: 012200035-0054

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	40.8	1.00 ppb	1/5/2022 KB	1/6/2022 20:35 KB

Client Sample Description 33
 2nd Floor / Art Rm / Sink Faucet / 1st Draw
Collected: 12/29/2021 5:17:00 AM
Lab ID: 012200035-0055

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 20:36 KB

Client Sample Description 34
 Blank
Collected: 12/29/2021
Lab ID: 012200035-0057

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 ppb	1/5/2022 KB	1/6/2022 20:39 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

012200035



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 High School.				
Building Address: 167 Broad Street.				
Contact Name & Numbers:				
(0)Yr. Built	(1)Yr. 1 st Add.:	(2)Yr. 2 nd Add.:	(3)Yr. 1 st Mod.:	(4)Yr. 2 nd Mod.:

Inspector(s): M. Moore

Date of Sampling: 12/28/21

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)
01		01		Boiler Rm	m			Boiler Rm		0	DE	Slop Sink			L		4:04	
001		01		Boiler Rm	m			Boiler Rm		0	DE	Slop Sink				L	4:05	
02		01		Rm 121	m			Rm 121		0	SF	Sink Faucet			L		4:08	
002		01		Rm 121	m			Rm 121		0	SF	Sink Faucet				*	4:09	
03		01		Hall	By			South Gym		0	UL	Water Cooler Fountain			L		4:10	
04		01		Hall	By			Boys Locker Rm		0	UL	↓			L		4:11	
05		01		Trainers	m			Trainers Rm		0	SF	Sink Faucet			L		4:13	
005		01		Trainers	m			Trainers Rm		0	JF	Sink Faucet			L		4:14	
06		01		Trainers	m			Trainers Rm		0	JF	Bottle Fill Wand			L		4:15	
006		01		Trainers	m			Trainers Rm		0	SF	Bottle Fill Wand			L		4:16	

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNO₃ @ pH<2 by field X or to be preserved by lab

Chain of Custody

Relinquished By:	Received By:	Date/Time:
<i>[Signature]</i>	<i>[Signature]</i>	12/28/21
	<i>[Signature]</i>	12/29/21
	<i>[Signature]</i>	10:50am
	<i>[Signature]</i>	12/29/21 7:15pm

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: Jordan Reed

- ☐ Phone (609) 392-4200
- ☒ Email jreed@vthq.com
- ☐ Fax: (609) 392-1216

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

TURN AROUND TIME REQUESTED: 1 WEEK

74
Am

012200035



ENVIRONMENTAL CONNECTION INC

A Vertical Technologies Corporation

Potable Water Sampling for Lead Concentration Sample Collection Form

Client Information

Name:
Address:
Client Rep.:

School Project Information

Building Id:				
Building No./Name:	Manasquan H.S.			
Building Address:				
Contact Name & Numbers:				
(0)Yr. Built	(1)Yr. 1 st Add.:	(2)Yr. 2 nd Add.:	(3)Yr. 1 st Mod.:	(4)Yr. 2 nd 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)		
07	01		Am 118	14		Am 118		0	SF	Sink Faucet		X		4:16			
F07	01		Am 118	14		Am 118		0	SF	Sink Faucet			X	4:17			
08	01		Hall	By		Am 101		0	WC	Waste Chute Faucet		X		4:19			
09	01		Principal office			Principal office		0	SF	Sink Faucet		X		4:20			
F09	01		Principal office			Principal office		0	SF	Sink Faucet			X	4:21			
10	01		Cafeteria			Cafeteria		0	SF	Sink Faucet @ Serving Line		X		4:22			
F10	01		Caf					0	SF	Sink Faucet @ Serving Line			X	4:23			
11	01							0	WC	Waste Chute Faucet		X		4:25			
			Hall														

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNO₃ @ pH<2 by field X or to be preserved by lab

Chain of Custody

Relinquished By:	Received By:	Date/Time:
		12/29/21

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) <u>ONLY</u> 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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Potable Water Sampling for Lead Concentration Sample Collection Form

Client Information

Name:
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School Project Information

Building Id:				
Building No./Name: <i>Manasquan H.S.</i>				
Building Address:				
Contact Name & Numbers:				
(0)Yr. Built	(1)Yr. 1 st Add.:	(2)Yr. 2 nd Add.:	(3)Yr. 1 st Mod.:	(4)Yr. 2 nd 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)
12	01		Kitchen	m		Kitchen		0	SF	Sink Faucet (Hot/Wash)		L		4:26	
F12	01		Kitchen	m		Kitchen		0	SF	↓		L		4:27	
13	01		Kitchen	m		Kitchen		0	SF	Sink Faucet (Dishwasher)		L		4:28	
F13	01		Kitchen	m		Kitchen		0	SF	↓		L		4:29	
14	01		Kitchen	m				0	SF	Sink Faucet (pot Fill)		L		4:30	
F14	01		Kitchen	m				0	SF	↓		L		4:31	
15	01		Kitchen	m				0	SF	Sink Faucet (Dishwasher)		L		4:32	
F15	01		Kitchen	m				0	SF	↓		L		4:33	
16	01		Kitchen	m				0	SF	Sink Faucet (Storage)		L		4:34	
F16	01		Kitchen	m				0	SF	↓		L		4:35	

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNO₃ @ pH<2 by field X or to be preserved by lab

Chain of Custody

Relinquished By:	Received By:	Date/Time:
<i>[Signature]</i>		<i>12/29/21</i>

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

Instructions to the Laboratory

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Client Rep.:

School Project Information

Building Id:				
Building No./Name: <i>Manasquan H.S.</i>				
Building Address:				
Contact Name & Numbers:				
(0)Yr. Built	(1)Yr. 1 st Add.:	(2)Yr. 2 nd Add.:	(3)Yr. 1 st Mod.:	(4)Yr. 2 nd Mod.:

Inspector(s): *M. Moore* Date of Sampling: *12/28/21*

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 #	
29	01	Hall	By	Rm 109	0	WC	Water Chiller Fountain		4:35
30	01	Counselor Area		Basement Counselor	0	SF	Sink Faucet		4:39
31	01	Counselor Area		Basement Counselor	0	SF	↓		4:40
32	01	Hall	By	Rm 405	0	WC	Water Chiller Fountain		4:41
33	01	Rm 405		Rm 405	0	SF	Sink Faucet		4:43
34	01	Rm 405		Rm 405	0	SF			4:44
35	01	Morse		Morse	0	SF			4:46
36	01	Morse		Morse	0	SF			4:47
37	01	Library		Library	0	SF			4:48
38	01	Library		Library	0	SF			4:49

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNO₃ @ pH<2 by field X or to be preserved by lab

Chain of Custody

Relinquished By:	Received By:	Date/Time:
<i>[Signature]</i>		<i>12/28/21</i>

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

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Building No./Name: <i>Manassas H.S.</i>				
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Inspector(s): *M. Moore* Date of Sampling: *12/28/21 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)
23		01		Home EL		Home Economics		0	SF			Sink Faucet		K		4:50	
F23		01		Home EL		Home Economics		0	SF			Sink Faucet		K		4:51	
24		01		Exterior in		Ext Restroom		0	SF			Sink Faucet (m)		K		4:54	
F24		01		Exterior in		Ext Restroom		0	SF			Sink Faucet (m)		K		4:55	
25		01		Exterior in		Ext Restroom		0	SF			Sink Faucet (w)		K		4:56	
F25		01		Exterior in		Ext Restroom		0	SF			Sink Faucet (w)		K		4:57	
26		02		Hall by		2 nd Flr. Hall		0	WC			Water Chiller Fount.		K		4:59	
27		02		Rm 221 in		Rm 221		0	SF			Sink faucet		K		5:03	
F27		02		Rm 221 in		Rm 221		0	SF			↓		K		5:04	

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNO₃ @ pH<2 by field X or to be preserved by lab

Chain of Custody

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<i>[Signature]</i>		<i>12/28/21</i>

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A Vertical Technologies Corporation

Potable Water Sampling for Lead Concentration Sample Collection Form

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Building Id:				
Building No./Name: <u>Manasquan H.S.</u>				
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(0)Yr. Built	(1)Yr. 1 st Add.:	(2)Yr. 2 nd Add.:	(3)Yr. 1 st Mod.:	(4)Yr. 2 nd Mod.:

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48 Z8	02	Rm 120		Rm 220	0	SF	Sink Faucet			X		5:05	
49 F28	02	Rm 220		Rm 220	0	SF	Sink Faucet				X	5:06	
50 29	02	Hall	By	Rm 201	0	WC	Locker Chiller Faucet			X		5:08	
51 30	02	Lounge in		Teacher Lounge	0	SF	Sink Faucet			X		5:12	
52 F30	02	Lounge in		Teacher Lounge	0	SF	Sink Faucet				X	5:13	
53 31	02	Hall	By	Teacher Lounge	0	WC	Locker Chiller Faucet			X		5:14	
54 32	02	Hall	By	Rm 570	0	WC	↓			X		5:16	
55 33	02	Art Rm		Art Rm	0	SF	Sink Faucet			X		5:17	
56 F33	02	Art Rm		Art Rm	0	SF	Sink Faucet				X	5:18	
57 34	02	Break					Blank						

All Containers are pre-cleaned/pre-certified 250 ml plastic bottles preserved w/ HNO₃ @ pH<2 by field X or to be preserved by lab

Chain of Custody

Relinquished By:	Received By:	Date/Time:
<u>[Signature]</u>		<u>12/28/21</u>

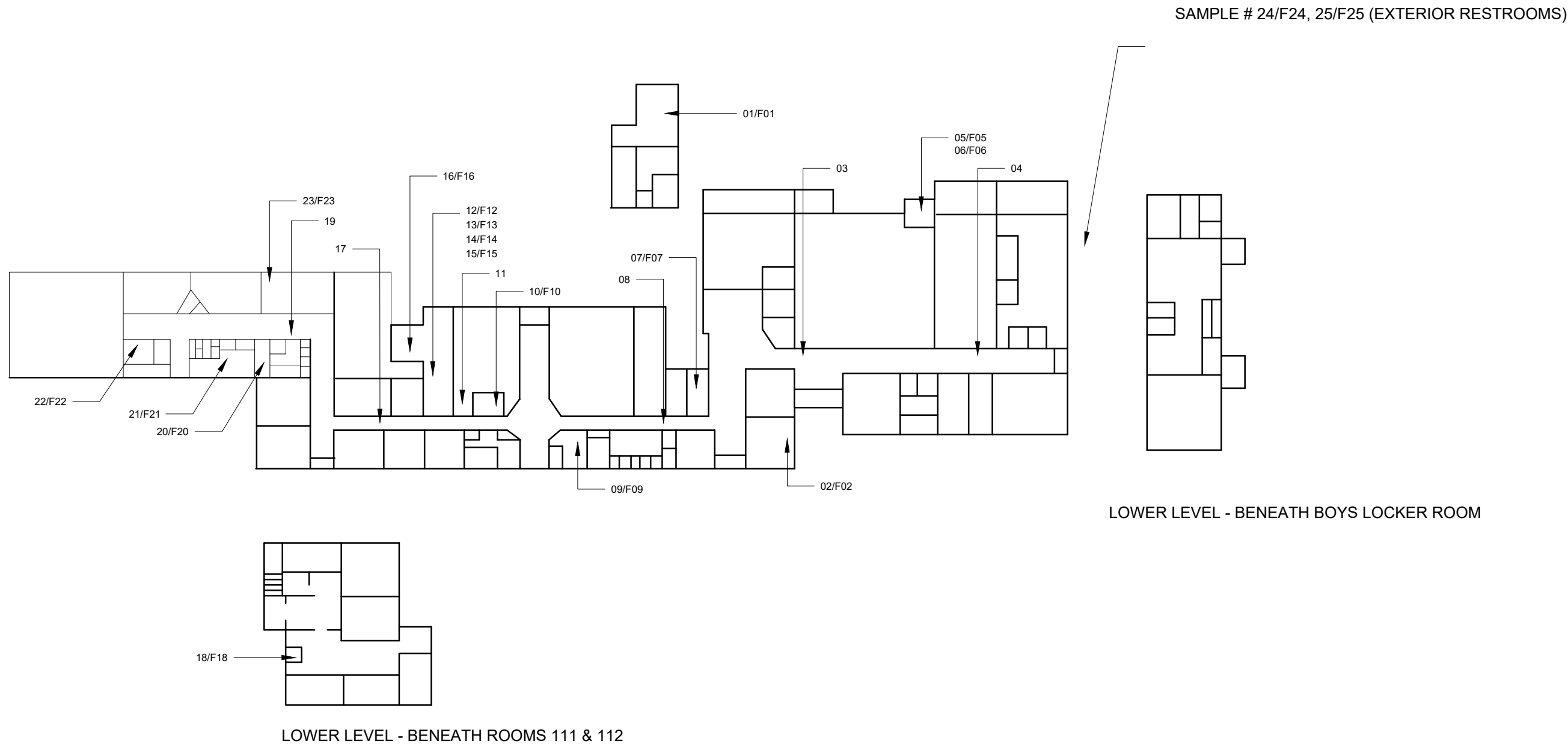
Method of Shipment/delivery: Fed-Ex Hand Delivery ✓ US Mail UPS Courier Other:

Instructions to the Laboratory

<input checked="" type="checkbox"/> Analyze "30 seconds" sample(s) <u>ONLY</u> when Initial sample exceeds 15 ppb <input type="checkbox"/> Analyze both initial and follow-up samples <input type="checkbox"/> Other: Follow QAPP	Lab: <u> </u>	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



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

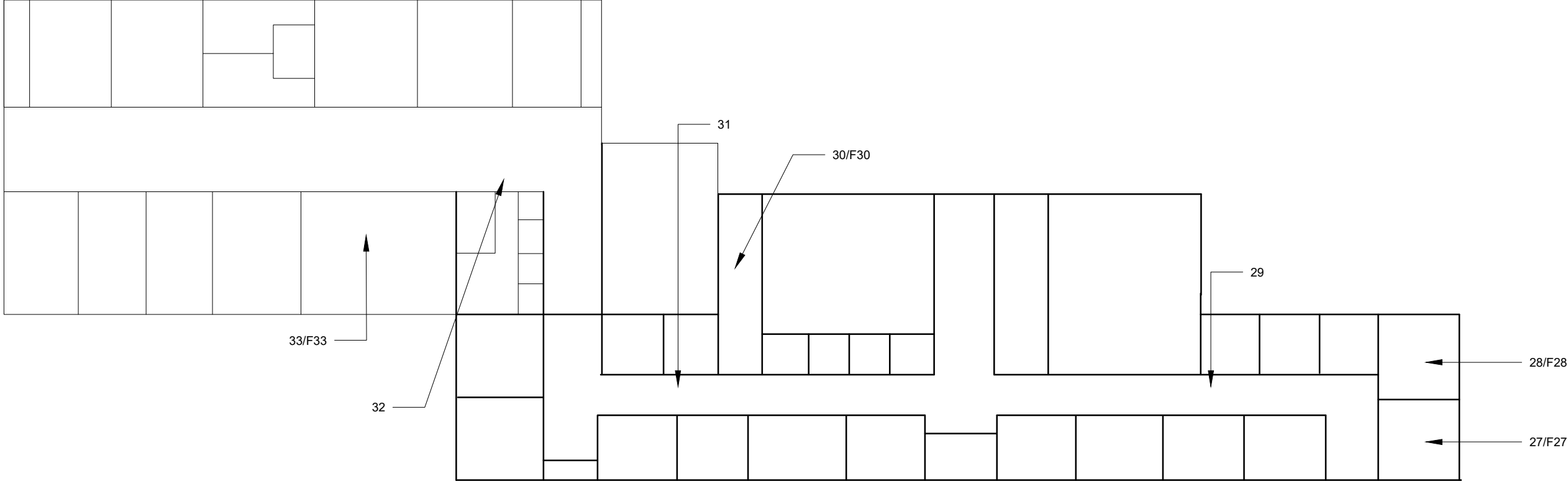
01	01/14/22	Issued for Review
No.	Date	Issue or Revision

LIW SAMPLE LOCATION PLAN
MANASQUAN BOARD OF EDUCATION
HIGH SCHOOL
FIRST 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



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

01	01/14/22	Issued for Review
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No.	Date	Issue or Revision
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LIW SAMPLE LOCATION PLAN
MANASQUAN BOARD OF EDUCATION
HIGH SCHOOL
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-02