



Helen G. Haley, CPA
*Business Administrator/
Board Secretary*

329 Route 73
Voorhees, NJ 08043
(856) 751-8446, ext. 6114
haley@voorhees.k12.nj.us

E.T. Hamilton School
Kresson School
Osage School
Signal Hill School
Voorhees Middle School

May 23, 2022

Voorhees Middle School
Voorhees Township Board of Education
1000 Holly Oak Drive
Voorhees, NJ 08043

Dear Voorhees Middle School Community:

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, the Voorhees Township Board of Education tested our schools' drinking water for lead.

Drinking water outlets such as hallway water coolers (water fountains) and classroom bubblers (water fountains in the classroom sink) throughout the District were shut down in March 2020 as part of the Covid-19 protocols. In December 2021, during winter break, these drinking outlets were reactivated to perform water testing (first draw). After this testing, the units were immediately taken out of service again. After receiving the test results on these inactive outlets, several outlets throughout the District had to be retested using a "flush test". This testing was done on February 18, 2022 and the outlets were immediately deactivated after the sample was obtained. The results of the flush testing had no lead detected or results below the 15 ppb threshold. These samples indicated that the elevated levels were localized to the outlet. As a result, these outlets were abandoned and/or will be replaced with a new fixture. In many cases, bottle filling stations will replace hallway water fountains. Specific remedial action is listed in the chart below. These drinking water outlets have been out of service and unavailable for use since March 2020.

In accordance with the Department of Education regulations, Voorhees Middle School implemented immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]).

Testing Results

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within the Voorhees Township Board of Education. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 42 samples taken, all but 9 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what remedial action the Voorhees Township Board of Education has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in $\mu\text{g/l}$ (ppb)	Remedial Action
Theater Hall Water Cooler C	21.9	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
A-Wing Hall Water Cooler A	27.8	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
A-Wing Hall Water Cooler A	24.8	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
D-Wing Hall Water Cooler C	28.6	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
C-Wing Hall Water Cooler	447	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
C-Wing Hall Water Cooler A	44.2	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
C-Wing Hall Water Cooler B	27.7	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
A-Wing Hall Water Cooler A	48.5	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
A-Wing Hall Water Cooler B	41.5	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

A copy of the test results is available on the District website.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your healthcare provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,

A handwritten signature in black ink that reads "Helen G. Haley". The signature is written in a cursive style and is positioned above a thin horizontal line.

Helen G. Haley, CPA

Business Administrator/Board Secretary



USA Environmental Management, Inc.
Environmental ♦ Engineering ♦ Construction

March 11, 2022

Clark Mathes
Voorhees BOE
329 NJ-73
Voorhees Township, New Jersey 08043

Re: Final Report
Voorhees Middle School Lead in Drinking Water Analysis

Dear Mr. Mathes:

USA Environmental Management, Inc., (USAEMI) was contracted by Voorhees Board of Education (BOE) to collect and provide laboratory analysis for lead-in-drinking water samples in accordance with N.J.A.C. 6A:26. The initial sampling of forty-two (2) drinking water outlets was conducted by Voorhees BOE representatives, on December 27, 2021, starting at 11:00 AM with collection complete at 11:30 AM. The flushing process was complete by Voorhees BOE representatives on the day prior, December 26, 2021. Per Voorhees BOE, the water within the building was not used by any employee or any other affiliated school personnel in the hours between flushing and sampling. Samples were collected approximately twelve (12) hours after outlets were flushed.

Initial samples were collected from drinking water outlets, including bubblers, water coolers, and sinks throughout the building. Samples were collected in sterile 250 milliliter bottles, pre-treated with nitric acid solution (HNO₃). At each outlet, a “first draw” sample was collected prior to any known usage of the outlet.

Due to the nine (9) outlets exceeding the U.S. Environmental Protection Agency (USEPA) and the State of New Jersey, Department of Environmental Protection (NJDEP) Action Level of 15 parts per billion (ppb), USAEMI collected flush samples on February 18, 2022. Immediately after receiving the initial analytical results for the nine (9) outlets which exceeded the Action level, the outlets were removed as drinking water outlets. On the morning of February 18, 2022, the six (6) outlets were run for ~30 seconds prior to collecting a flush sample from each outlet, in a sterile 250 milliliter bottles, pre-treated with nitric acid solution (HNO₃), to determine the potential source of the elevated results.

The samples were delivered by USAEMI to EMSL Analytical Inc., located at 200 Route 130 North in Cinnaminson, New Jersey. EMSL is National Environmental Laboratory Accreditation Program (NELAP) certified by the State of New Jersey Department of Environmental Protection (NJDEP), for drinking water analysis (Certification No. 03036).

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 1 below:

Table 1 – Voorhees Middle School, Lead in Water Analysis,					
Sample ID No.	Sample Location	Testing Parameter	Outlet Code	First Draw Results (ppb) 12/27/2021	Flush Results (ppb) 2/18/2022
1A	Theater Hall Water Cooler A	EPA 200.8	WC	8.00	NA
1B	Theater Hall Water Cooler B	EPA 200.8	WC	2.06	NA
1C	Theater Hall Water Cooler C	EPA 200.8	WC	21.9	ND
2	Main Office Sink (Cold)	EPA 200.8	KC	ND	NA
3	A-Wing Nurse's Sink	EPA 200.8	NS	ND	NA
4	Hallway Water Cooler by Main Office	EPA 200.8	WC	13.1	NA
5	ER Office Sink (Cold)	EPA 200.8	KC	1.37	NA
6	A-Wing Lounge Sink (Cold)	EPA 200.8	KC	ND	NA
7A	A-Wing Hallway Water Cooler A	EPA 200.8	WC	27.8	ND
7B	A-Wing Hallway Water Cooler B	EPA 200.8	WC	5.51	NA
8A	A-Wing Hallway Water Cooler A	EPA 200.8	WC	24.8	ND
8B	A-Wing Hallway Water Cooler B	EPA 200.8	WC	5.2	NA
9A	D-Wing Hallway Water Cooler A	EPA 200.8	WC	11.8	NA
9B	D-Wing Hallway Water Cooler B	EPA 200.8	WC	ND	NA
10A	D-Wing Hallway Water Cooler A	EPA 200.8	WC	1.41	NA
10C	D-Wing Hallway Water Cooler C	EPA 200.8	WC	28.6	ND
12A	B-Wing Hallway Water Cooler A	EPA 200.8	WC	1.14	NA
12B	B-Wing Hallway Water Cooler B	EPA 200.8	WC	ND	NA
13	B-Wing Lounge Sink (Cold)	EPA 200.8	KC	1.20	NA
14	B-Wing Nurse's Sink	EPA 200.8	NS	1.81	NA
15	C-Wing Hallway Water Cooler	EPA 200.8	WC	447	14.1
16A	C-Wing Hallway Water Cooler A	EPA 200.8	WC	44.2	2.43
16B	C-Wing Hallway Water Cooler B	EPA 200.8	WC	27.7	1.56
17A	E-Wing Hallway Water Cooler A	EPA 200.8	WC	1.74	NA
17B	E-Wing Hallway Water Cooler B	EPA 200.8	WC	2.14	NA
18A	E-Wing Hallway Water Cooler A	EPA 200.8	WC	2.03	NA
18B	E-Wing Hallway Water Cooler B	EPA 200.8	WC	3.87	NA
19A	APR Hallway Water Cooler A	EPA 200.8	WC	3.04	NA
19B	APR Hallway Water Cooler B	EPA 200.8	WC	13.2	NA
20A	APR Hallway Water Cooler A	EPA 200.8	WC	4.59	NA
20B	APR Hallway Water Cooler B	EPA 200.8	WC	ND	NA
21	Kitchen Food Prep Sink (Cold)	EPA 200.8	KC	ND	NA
22	Kitchen Ice Machine	EPA 200.8	OT	ND	NA



Table 1 – Voorhees Middle School, Lead in Water Analysis,					
Sample ID No.	Sample Location	Testing Parameter	Outlet Code	First Draw Results (ppb) 12/27/2021	Flush Results (ppb) 2/18/2022
23	Dish room Sink (Cold)	EPA 200.8	KC	1.12	NA
24	Old Café Lounge Sink (Cold)	EPA 200.8	KC	ND	NA
25	Old Café Lounge Ice Machine	EPA 200.8	OT	ND	NA
26A	A-Wing Hallway Water Cooler A	EPA 200.8	WC	11.5	NA
26B	A-Wing Hallway Water Cooler B	EPA 200.8	WC	8.06	NA
27A	A-Wing Hallway Water Cooler A	EPA 200.8	WC	48.5	Scheduled for Replacement
27B	A-Wing Hallway Water Cooler B	EPA 200.8	WC	41.5	Scheduled for Replacement
29	Girl’s Locker Room Bubbler	EPA 200.8	DW	5.37	NA
30A	Gym Lobby Water Cooler A	EPA 200.8	WC	ND	NA
30B	Gym Lobby Water Cooler B	EPA 200.8	WC	ND	NA

Code Legend: DW = Drinking Water Bubbler IM = Ice Machine
 WC = Water Cooler (Chiller Unit) BF = Bathroom Faucet
 FP = Food Preparation Faucet SC = Service Connector
 KC = Kitchen Faucet OT = Other (Utility Sinks)
 NS = Nurse’s Office Sink HB = Exterior Hose Bib
 NA = Not Applicable ND = Not Detected

Lead levels within the potable water in the “first draw” samples were detected above the USEPA and NJDEP Action Level of 15 ppb in nine (9) of the forty-two (42) locations. The outlets found to be above the action level were immediately taken out of service. Flush sampling was conducted on February 18, 2022, in the nine (9) affected locations to determine the source of the lead contamination and the appropriate remediation measures.

The flush samples collected from the elevated fixtures are all reported with lead levels below the USEPA and NJDEP Action Level of 15 ppb. The samples indicate that the contamination is localized to the outlet. The affected water coolers should be abandoned or replaced with a new fixture. Should you have any questions or require additional information, please contact the undersigned at your convenience.

Respectfully Submitted:
USA ENVIRONMENTAL MANAGEMENT, INC.

Matthew Hines, CIEC
 Senior Industrial Hygienist

ATTACHMENT I

Analytical Report and Chain of Custody for Lead in Water Sampling



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Matthew Hines
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

1/20/2022

Phone: (609) 656-8101

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 1/5/2022. The results are tabulated on the attached data pages for the following client designated project:

**Voorhees Board of Education / Voorhees Middle School / 1000
Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01**

The reference number for these samples is EMSL Order #012200709. 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: 012200709
 CustomerID: USA53
 CustomerPO: 22-020895-01
 ProjectID:

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 1A Theater Hall Water Cooler A **Collected:** 12/27/2021 8:00:00 AM **Lab ID:** 012200709-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.00	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:34

Client Sample Description 1B Theater Hall Water Cooler B **Collected:** 12/27/2021 8:00:00 AM **Lab ID:** 012200709-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.06	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:39

Client Sample Description 1C Theater Hall Water Cooler C **Collected:** 12/27/2021 8:00:00 AM **Lab ID:** 012200709-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	21.9	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:40

Client Sample Description 2 Main Office Sink (Cold) **Collected:** 12/27/2021 8:03:00 AM **Lab ID:** 012200709-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:42

Client Sample Description 3 A-Wing Nurse's Sink **Collected:** 12/27/2021 8:05:00 AM **Lab ID:** 012200709-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:43

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USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 4 Hallway Water Cooler by Main Office **Collected:** 12/27/2021 8:06:00 AM **Lab ID:** 012200709-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	13.1	1.00 µg/L	1/17/2022 KB	1/18/2022 JW 19:58

Client Sample Description 5 CER Office Sink (Cold) **Collected:** 12/27/2021 8:10:00 AM **Lab ID:** 012200709-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.37	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:45

Client Sample Description 6 A-Wing Lounge Sink (Cold) **Collected:** 12/27/2021 8:12:00 AM **Lab ID:** 012200709-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:50

Client Sample Description 7A A-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:14:00 AM **Lab ID:** 012200709-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	27.8	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:51

Client Sample Description 7B A-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:15:00 AM **Lab ID:** 012200709-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.51	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:53

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EMSL Order: 012200709
 CustomerID: USA53
 CustomerPO: 22-020895-01
 ProjectID:

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 8A A-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:16:00 AM **Lab ID:** 012200709-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	24.8	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:54

Client Sample Description 8B A-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:16:00 AM **Lab ID:** 012200709-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.20	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 03:56

Client Sample Description 9A D-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:19:00 AM **Lab ID:** 012200709-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	11.8	1.00 µg/L	1/17/2022 KB	1/18/2022 JW 20:01

Client Sample Description 9B D-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:19:00 AM **Lab ID:** 012200709-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:00

Client Sample Description 10A D-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:22:00 AM **Lab ID:** 012200709-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.41	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 05:09

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Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
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Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 10C D-Wing Hallway Water Cooler C **Collected:** 12/27/2021 8:22:00 AM **Lab ID:** 012200709-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	28.6	1.00 µg/L	1/17/2022 KB	1/18/2022 JW 20:03

Client Sample Description 12A B-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:24:00 AM **Lab ID:** 012200709-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.14	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:02

Client Sample Description 12B B-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:24:00 AM **Lab ID:** 012200709-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:04

Client Sample Description 13 B-Wing Lounge Sink (Cold) **Collected:** 12/27/2021 8:26:00 AM **Lab ID:** 012200709-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.20	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:08

Client Sample Description 14 B-Wing Nurse's Sink **Collected:** 12/27/2021 8:27:00 AM **Lab ID:** 012200709-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.81	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:10

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Analytical Results

Client Sample Description 15 C-Wing Hallway Water Cooler **Collected:** 12/27/2021 8:29:00 AM **Lab ID:** 012200709-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	447 D	10.0 µg/L	1/17/2022 KB	1/18/2022 KB 15:22

Client Sample Description 16A C-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:32:00 AM **Lab ID:** 012200709-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	44.2	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 15:23

Client Sample Description 16B C-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:33:00 AM **Lab ID:** 012200709-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	27.7	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 15:25

Client Sample Description 17A E-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:35:00 AM **Lab ID:** 012200709-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.74	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:21

Client Sample Description 17B E-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:34:00 AM **Lab ID:** 012200709-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.14	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:28

**EMSL Analytical, Inc.**

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Analytical Results

Client Sample Description 18A E-Wing Hallway Water Cooler A **Collected:** 12/27/2021 8:36:00 AM **Lab ID:** 012200709-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.03	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:30

Client Sample Description 18B E-Wing Hallway Water Cooler B **Collected:** 12/27/2021 8:35:00 AM **Lab ID:** 012200709-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.87	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:31

Client Sample Description 19A APR Hallway Water Cooler A **Collected:** 12/27/2021 8:37:00 AM **Lab ID:** 012200709-0028

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.04	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:33

Client Sample Description 19B APR Hallway Water Cooler B **Collected:** 12/27/2021 8:38:00 AM **Lab ID:** 012200709-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	13.2	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:35

Client Sample Description 20A APR Hallway Water Cooler A **Collected:** 12/27/2021 8:39:00 AM **Lab ID:** 012200709-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.59	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:36

**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: 012200709
 CustomerID: USA53
 CustomerPO: 22-020895-01
 ProjectID:

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 20B APR Hallway Water Cooler B **Collected:** 12/27/2021 8:40:00 AM **Lab ID:** 012200709-0031

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:38

Client Sample Description 21 Kitchen Food Prep Sik (Cold) **Collected:** 12/27/2021 8:43:00 AM **Lab ID:** 012200709-0032

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:39

Client Sample Description 22 Kitchen Ice Machine **Collected:** 12/27/2021 8:44:00 AM **Lab ID:** 012200709-0033

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:41

Client Sample Description 23 Dishroom Sink (Cold) **Collected:** 12/27/2021 8:45:00 AM **Lab ID:** 012200709-0034

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.12	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:45

Client Sample Description 24 Old Café Lounge Sink (Cold) **Collected:** 12/27/2021 8:46:00 AM **Lab ID:** 012200709-0035

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:50

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200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200709
 CustomerID: USA53
 CustomerPO: 22-020895-01
 ProjectID:

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 25
 Old Café Lounge Ice Machine
Collected: 12/27/2021 8:47:00 AM
Lab ID: 012200709-0036

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:52

Client Sample Description 26A
 A-Wing Hallway Water Cooler A
Collected: 12/27/2021 8:50:00 AM
Lab ID: 012200709-0037

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	11.5	1.00 µg/L	1/17/2022 KB	1/18/2022 JW 20:05

Client Sample Description 26B
 A-Wing Hallway Water Cooler B
Collected: 12/27/2021 8:51:00 AM
Lab ID: 012200709-0038

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.06	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:53

Client Sample Description 27A
 A-Wing Hallway Water Cooler A
Collected: 12/27/2021 8:49:00 AM
Lab ID: 012200709-0039

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	48.5	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:55

Client Sample Description 27B
 A-Wing Hallway Water Cooler B
Collected: 12/27/2021 8:49:00 AM
Lab ID: 012200709-0040

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	41.5	1.00 µg/L	1/17/2022 KB	1/18/2022 JW 20:12

**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: 012200709
 CustomerID: USA53
 CustomerPO: 22-020895-01
 ProjectID:

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Voorhees Middle School / 1000 Holly Oak Drive Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 29 **Collected:** 12/27/2021 **Lab ID:** 012200709-0041
 Girl's Locker Room Bubblers 8:54:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.37	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:56

Client Sample Description 30A **Collected:** 12/27/2021 **Lab ID:** 012200709-0042
 Gym Lobby Water Cooler A 8:55:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:58

Client Sample Description 30B **Collected:** 12/27/2021 **Lab ID:** 012200709-0043
 Gym Lobby Water Cooler B 8:56:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/17/2022 KB	1/18/2022 KB 04:59

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



012200709

USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

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22 JAN -5 PM 1:26

CLIENT: Voorhees Board of Education **DATE:** 12-27-21 **TYPE OF ANALYSIS**
BUILDING: Voorhees Middle School **TECHNICIAN:** M. Hines EPA 200.9
ADDRESS: 1000 Holly Oak Drive Voorhees, NJ **PROJECT #:** 22-020895-01

Potable Water Sampling for Lead Concentration – Chain of Custody Record

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ID No.	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
1A	WC	F	Theater Hall Water Cooler A	0800
1B	WC	F	Theater Hall Water Cooler B	0800
1C	WC	F	Theater Hall Water Cooler C	0800
2	KC	F	Main Office Sink (Cold)	0803
3	NS	F	A-Wing Nurse's Sink	0805
4	WC	F	Hallway Water Cooler by Main Office	0806
5	KC	F	CER Office Sink (Cold)	0810
6	KC	F	A-Wing Lounge Sink (Cold)	0812
7A	WC	F	A-Wing Hallway Water Cooler A	0814
7B	WC	F	A-Wing Hallway Water Cooler B	0815
8A	WC	F	A-Wing Hallway Water Cooler A	0816
8B	WC	F	A-Wing Hallway Water Cooler B	0816
9A	WC	F	D-Wing Hallway Water Cooler A	0819
9B	WC	F	D-Wing Hallway Water Cooler B	0819
10A	WC	F	D-Wing Hallway Water Cooler A	0822

CODE LEGEND:	
DW = Drinking Water Bubbler	EC = Home Economics Sink
WC = Water Cooler (Chiller Unit)	BF = Bathroom Faucet
CF = Classroom Faucet	NS = Nurse's Office Sink
KC = Kitchen Faucet	SC = Service Connector
OT = Other	CS = Custodial Sink

TYPE LEGEND:
P = Primary (First Draw)
F = Flush

TURN-AROUND-TIME	
<input type="checkbox"/> 1-Week	<input checked="" type="checkbox"/> 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines <i>Matthew Hines</i>	1-5-22		L.		

COMMENTS:

Hines 1-5-22 1:25 PM

43 EL

Pg 1 of 3
Rev. *perman EL*



012200709

USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

CLIENT: Voorhees Board of Education **DATE:** 12-27-21 **TYPE OF ANALYSIS**
BUILDING: Voorhees Middle School **TECHNICIAN:** M. Hines EPA 200.9
ADDRESS: 1000 Holly Oak Drive Voorhees, NJ **PROJECT #:** 22-020895-01

Potable Water Sampling for Lead Concentration – Chain of Custody Record

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ID No.	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
10C	WC	F	D-Wing Hallway Water Cooler C	0822
12A	WC	F	B-Wing Hallway Water Cooler A	0824
12B	WC	F	B-Wing Hallway Water Cooler B	0824
13	KC	F	B-Wing Lounge Sink (Cold)	0826
14	NS	F	B-Wing Nurse's Sink	0827
15	WC	F	C-Wing Hallway Water Cooler	0829
16A	WC	F	C-Wing Hallway Water Cooler A	0832
16B	WC	F	C-Wing Hallway Water Cooler B	0833
17A	WC	F	E-Wing Hallway Water Cooler A	0835
17B	WC	F	E-Wing Hallway Water Cooler B	0834
18A	WC	F	E-Wing Hallway Water Cooler A	0836
18B	WC	F	E-Wing Hallway Water Cooler B	0835
19A	WC	F	APR Hallway Water Cooler A	0837
19B	WC	F	APR Hallway Water Cooler B	0838
20A	WC	F	APR Hallway Water Cooler A	0839

CODE LEGEND:	
DW = Drinking Water Bubbler	EC = Home Economics Sink
WC = Water Cooler (Chiller Unit)	BF = Bathroom Faucet
CF = Classroom Faucet	NS = Nurse's Office Sink
KC = Kitchen Faucet	SC = Service Connector
OT = Other	CS = Custodial Sink

TYPE LEGEND:
P = Primary (First Draw)
F = Flush

TURN-AROUND-TIME	
<input type="checkbox"/> 1-Week	<input checked="" type="checkbox"/> 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines <i>Matthew Hines</i>	1-5-22		I.		

COMMENTS: _____

Pg 2 of 3

012200709



USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

CLIENT: Voorhees Board of Education **DATE:** 12-27-21 **TYPE OF ANALYSIS**
BUILDING: Voorhees Middle School **TECHNICIAN:** M. Hines EPA 200.9
ADDRESS: 1000 Holly Oak Drive Voorhees, NJ **PROJECT #:** 22-020895-01

Potable Water Sampling for Lead Concentration – Chain of Custody Record

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ID No.	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
20B	WC	F	APR Hallway Water Cooler B	0840
21	KC	F	Kitchen Food Prep Sink (Cold)	0843
22	OT	F	Kitchen Ice Machine	0844
23	KC	F	Dishroom Sink (Cold)	0845
24	KC	F	Old Café Lounge Sink (Cold)	0846
25	OT	F	Old Café Lounge Ice Machine	0847
26A	WC	F	A-Wing Hallway Water Cooler A	0850
26B	WC	F	A-Wing Hallway Water Cooler B	0851
27A	WC	F	A-Wing Hallway Water Cooler A	0849
27B	WC	F	A-Wing Hallway Water Cooler B	0849
29	DW	F	Girl's Locker Room Bubbler	0854
30A	WC	F	Gym Lobby Water Cooler A	0855
30B	WC	F	Gym Lobby Water Cooler B	0856

CODE LEGEND:	
DW = Drinking Water Bubbler	EC = Home Economics Sink
WC = Water Cooler (Chiller Unit)	BF = Bathroom Faucet
CF = Classroom Faucet	NS = Nurse's Office Sink
KC = Kitchen Faucet	SC = Service Connector
OT = Other _____	CS = Custodial Sink

TYPE LEGEND:
P = Primary (First Draw)
F = Flush

TURN-AROUND-TIME	
<input type="checkbox"/> 1-Week	<input checked="" type="checkbox"/> 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines <i>[Signature]</i>	1-5-22		I.		

COMMENTS: _____

Pg. 3 of 3



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Matthew Hines
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

3/4/2022

Phone: (609) 656-8101

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/21/2022. The results are tabulated on the attached data pages for the following client designated project:

**Voorhees Board Of Education / Voorhees Middle School / 1000
Holly Oak Drive, Voorhees, NJ / Project #: 22-020895-01**

The reference number for these samples is EMSL Order #012202800. 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:

Owen McKenna, 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:	012202800
CustomerID:	USA53
CustomerPO:	22-020895-01
ProjectID:	

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 2/21/2022 11:10 AM

Project: Voorhees Board Of Education / Voorhees Middle School / 1000 Holly Oak Drive, Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description 1C-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202800-0001
 Theater Hall Water Cooler C 10:30:00 AM

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

200.8	Lead	ND	1.00 ppb	3/2/2022 JM	3/2/2022 21:22 VD
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Client Sample Description 7A-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202800-0002
 A-Wing Hallway Water Cooler A 10:35:00 AM

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

200.8	Lead	ND	1.00 ppb	3/2/2022 JM	3/2/2022 21:23 VD
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Client Sample Description 8A-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202800-0003
 A-Wing Hallway Water Cooler A 10:38:00 AM

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

200.8	Lead	ND	1.00 ppb	3/2/2022 JM	3/2/2022 21:25 VD
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Client Sample Description 10C-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202800-0004
 D-Wing Hallway Water Cooler C 10:45:00 AM

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

200.8	Lead	ND	1.00 ppb	3/2/2022 JM	3/2/2022 21:26 VD
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Client Sample Description 15-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202800-0005
 C-Wing Hallway Water Cooler 10:50:00 AM

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

200.8	Lead	14.1	1.00 ppb	3/2/2022 JM	3/2/2022 21:28 VD
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**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:	012202800
CustomerID:	USA53
CustomerPO:	22-020895-01
ProjectID:	

Attn: **Matthew Hines**
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618

Phone: (609) 656-8101
 Fax:
 Received: 2/21/2022 11:10 AM

Project: Voorhees Board Of Education / Voorhees Middle School / 1000 Holly Oak Drive, Voorhees, NJ / Project #: 22-020895-01

Analytical Results

Client Sample Description	16A-WC-F C-Wing Hallway Water Cooler A	Collected:	2/18/2022 10:55:00 AM	Lab ID:	012202800-0006
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	2.43	1.00 ppb	3/2/2022 JM	3/2/2022 21:29 VD
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Client Sample Description	16B-WC-F C-Wing Hallway Water Cooler B	Collected:	2/18/2022 10:58:00 AM	Lab ID:	012202800-0007
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	1.56	1.00 ppb	3/2/2022 JM	3/2/2022 21:31 VD
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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



012202800

USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

CLIENT: Voorhees Board of Education **DATE:** 2/18/22 **TYPE OF ANALYSIS**
BUILDING: Voorhees Middle School **TECHNICIAN:** M. Hines EPA 200.9
ADDRESS: 1000 Holly Oak Drive Voorhees, NJ **PROJECT #:** 22-020895-01

Potable Water Sampling for Lead Concentration – Chain of Custody Record

ID No.	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
1	1C	WC	F Theater Hall Water Cooler C	1030
2	7A	WC	F A-wing Hallway Water Cooler A	1035
3	8A	WC	F A-wing Hallway Water Cooler A	1038
4	10C	WC	F D-wing Hallway Water Cooler C	1045
5	15	WC	F C-wing Hallway Water Cooler	1050
6	16A	WC	F C-wing Hallway water cooler A	1055
7	16B	WC	F C-wing Hallway water cooler B	1058

CODE LEGEND:	
DW = Drinking Water Bubbler	EC = Home Economics Sink
WC = Water Cooler (Chiller Unit)	BF = Bathroom Faucet
CF = Classroom Faucet	NS = Nurse's Office Sink
KC = Kitchen Faucet	SC = Service Connector
OT = Other	CS = Custodial Sink

TYPE LEGEND:
P = Primary (First Draw)
F = Flush

TURN-AROUND-TIME	
<input type="checkbox"/> 1-Week	<input checked="" type="checkbox"/> 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines <i>[Signature]</i>	2-21-22		I.		

COMMENTS: _____

USA Environmental Management, Inc.
 Branch Office: 344 West State Street, Trenton, New Jersey 08618
 Voice: 609.656.8101 Fax: 609.656.8103 www.usaemi.com

[Signature] 2/21/22 1110
 Rec. point etc
 WI
 7th