VOORHEES
TOWNSHIP
PUBLIC SCHOOLS

Helen G. Haley, CPA
Business Administrator/
Board Secretary

329 Route 73
Voorhees, NJ 08043
(856) 751-8446, ext. 6114
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E.T. Hamilton School
Kresson School
Osage School
Signal Hill School
Voorhees Middle School

May 23, 2022

E.T. Hamilton Elementary School
Voorhees Township Board of Education
23 Northgate Drive
Voorhees, NJ 08043

Dear E.T. Hamilton Elementary 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, E.T. Hamilton Elementary 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 36 samples taken, all but 1 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 µg/l (ppb)	Remedial Action
Room 6 Bubbler	29.9	Disconnected outlet in 2020 due to Covid-19 protocol, remained shut off, will be removed and replaced with a new bubbler and inline filter

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,

Helen A Haley

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
ET Hamilton Elementary 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 thirty-six (36) 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 (HNO_3). At each outlet, a "first draw" sample was collected prior to any known usage of the outlet.

Due to the one (1) outlet, within Room 6, 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 a flush sample on February 18, 2022. Immediately after receiving the initial analytical results, the bubbler in Room 6 was removed as a drinking water outlet. On the morning of February 18, 2022, the outlet within Room 6 was run for ~30 seconds prior to collecting the flush sample in a sterile 250 milliliter bottles, pre-treated with nitric acid solution (HNO_3), 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 – ET Hamilton Elementary 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
1	Room 1 Bubbler	EPA 200.8	DW	2.30	NA
2	Room 2 Bubbler	EPA 200.8	DW	1.12	NA
3	Room 3 Bubbler	EPA 200.8	DW	3.45	NA
4	Room 4 Bubbler	EPA 200.8	DW	1.57	NA
5	Room 5 Bubbler	EPA 200.8	DW	1.23	NA
6	Room 6 Bubbler	EPA 200.8	DW	**29.9**	ND
7	Room 7 Bubbler	EPA 200.8	DW	ND	NA
8	Room 8 Bubbler	EPA 200.8	DW	4.07	NA
9	Room 9 Bubbler	EPA 200.8	DW	ND	NA
10	Room 10 Bubbler	EPA 200.8	DW	ND	NA
11	Room 11 Bubbler	EPA 200.8	DW	8.8	NA
12	Room 12 Bubbler	EPA 200.8	DW	5.83	NA
13	Room 13 Bubbler	EPA 200.8	WC	ND	NA
14	Hallway Water Cooler	EPA 200.8	WC	6.25	NA
15	Hallway Water Cooler	EPA 200.8	KC	1.51	NA
16A	Hallway A Water Cooler	EPA 200.8	WC	5.98	NA
16B	Hallway B Water Cooler	EPA 200.8	WC	1.95	NA
17	Hallway Water Cooler	EPA 200.8	WC	2.99	NA
18	Room 25 Bubbler	EPA 200.8	DW	6.38	NA
19	Room 26 Bubbler	EPA 200.8	DW	1.56	NA
20	Room 35 Bubbler	EPA 200.8	DW	ND	NA
21	Room 34 Bubbler	EPA 200.8	DW	ND	NA
22	Room 33 Bubbler	EPA 200.8	DW	ND	NA
23	Room 32 Bubbler	EPA 200.8	DW	ND	NA
24	Room 31 Bubbler	EPA 200.8	DW	ND	NA
25	Room 28 Bubbler	EPA 200.8	DW	1.89	NA
26	Room 29 Bubbler	EPA 200.8	DW	1.1	NA
27	Room 30 Bubbler	EPA 200.8	DW	ND	NA
28A	Hallway A Water Cooler	EPA 200.8	WC	ND	NA
28B	Hallway B Water Cooler	EPA 200.8	WC	ND	NA
29	Cafeteria Outlet Kitchen	EPA 200.8	KC	ND	NA
30	Kitchen Ice Machine	EPA 200.8	OT	ND	NA
31	Kitchen Food Prep Sink (Cold)	EPA 200.8	KC	ND	NA
32	Nurse's Office Sink (Cold)	EPA 200.8	NS	ND	NA

Table 1 – ET Hamilton Elementary 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**
33	Main Office Sink (Cold)	EPA 200.8	KC	9.62	NA
34	Hallway at Room 1 Water Cooler	EPA 200.8	WC	4.69	NA

Code Legend:
DW = Drinking Water Bubbler
WC = Water Cooler (Chiller Unit)
FP = Food Preparation Faucet
KC = Kitchen Faucet
NS = Nurse's Office Sink
NA = Not Applicable
IM = Ice Machine
BF = Bathroom Faucet
SC = Service Connector
OT = Other (Utility Sinks)
HB = Exterior Hose Bib
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 one (1) of the thirty-six (36) locations. The bubbler with elevated levels in Room 6 was immediately taken out of service upon receipt of the sample results. Follow-up flush sampling was collected from the bubbler within Room 6 on February 18, 2022, to determine the source of the lead contamination and the appropriate remediation measures.

The flush sample collected from the bubbler in Room 6 is reported with no lead detected. The sample indicates that the contamination is localized to the outlet. The water cooler 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** 1/20/2022
USA Environmental Management, Inc.
344 West State Street
Trenton, NJ 08618
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 / ET Hamilton School / 23
Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01

The reference number for these samples is EMSL Order #012200708. 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

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:	012200708
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 / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 1 Room 1 Bubbler — ***Collected:*** 12/27/2021 11:07:00 AM — ***Lab ID:*** *012200708-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	2.30	1.00	µg/L	1/18/2022 KB	1/19/2022 01:29 KB

Client Sample Description 2 Room 2 Bubbler — ***Collected:*** 12/27/2021 11:08:00 AM — ***Lab ID:*** *012200708-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.12	1.00	µg/L	1/18/2022 KB	1/19/2022 01:30 KB

Client Sample Description 3 Room 3 Bubbler — ***Collected:*** 12/27/2021 11:08:00 AM — ***Lab ID:*** *012200708-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.45	1.00	µg/L	1/18/2022 KB	1/19/2022 01:35 KB

Client Sample Description 4 Room 4 Bubbler — ***Collected:*** 12/27/2021 11:09:00 AM — ***Lab ID:*** *012200708-0004*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.57	1.00	µg/L	1/18/2022 KB	1/19/2022 01:36 KB

Client Sample Description 5 Room 5 Bubbler — ***Collected:*** 12/27/2021 11:09:00 AM — ***Lab ID:*** *012200708-0005*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.23	1.00	µg/L	1/18/2022 KB	1/19/2022 01:38 KB

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 858-4571
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EMSL Order:	012200708
CustomerID:	USA53
CustomerPO:	22-020895-01
ProjectID:	

Attn: **Matthew Hines**
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Received: 1/5/2022 01:25 PM

Project: **Voorhees Board of Education / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 6
Room 6 Bubbler
Collected: 12/27/2021 11:10:00 AM
Lab ID: *012200708-0006*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	28.9	1.00	µg/L	1/18/2022 KB	1/19/2022 01:39 KB

Client Sample Description 7
Room 7 Bubbler
Collected: 12/27/2021 11:10:00 AM
Lab ID: *012200708-0007*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 01:41 KB

Client Sample Description 8
Room 8 Bubbler
Collected: 12/27/2021 11:11:00 AM
Lab ID: *012200708-0008*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.07	1.00	µg/L	1/18/2022 KB	1/19/2022 01:43 KB

Client Sample Description 9
Room 9 Bubbler
Collected: 12/27/2021 11:11:00 AM
Lab ID: *012200708-0009*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 01:49 KB

Client Sample Description 10
Room 10 Bubbler
Collected: 12/27/2021 11:12:00 AM
Lab ID: *012200708-0010*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 01:57 KB

EMSL Analytical, Inc.
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Phone/Fax: (856) 303-2500 / (856) 858-4571
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EMSL Order:	012200708
CustomerID:	USA53
CustomerPO:	22-020895-01
ProjectID:	

Attn: **Matthew Hines**
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Received: 1/5/2022 01:25 PM

Project: **Voorhees Board of Education / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 11
Room 11 Bubbler
Collected: 12/27/2021 11:12:00 AM
Lab ID: *012200708-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	8.80	1.00	µg/L	1/18/2022 KB	1/19/2022 01:58 KB

Client Sample Description 12
Room 12 Bubbler
Collected: 12/27/2021 11:13:00 AM
Lab ID: *012200708-0012*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	5.83	1.00	µg/L	1/18/2022 KB	1/19/2022 02:00 KB

Client Sample Description 13
Hallway by Room 12 Water Cooler
Collected: 12/27/2021 11:13:00 AM
Lab ID: *012200708-0013*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:01 KB

Client Sample Description 14
Hallway by Library Bathrooms Water Cooler
Collected: 12/27/2021 11:33:00 AM
Lab ID: *012200708-0014*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	6.25	1.00	µg/L	1/18/2022 KB	1/19/2022 02:03 KB

Client Sample Description 15
Teachers Lounge Sink (Cold)
Collected: 12/27/2021 11:14:00 AM
Lab ID: *012200708-0015*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.51	1.00	µg/L	1/18/2022 KB	1/19/2022 02:04 KB

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EMSL Order:	012200708
CustomerID:	USA53
CustomerPO:	22-020895-01
ProjectID:	

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Project: **Voorhees Board of Education / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 16A
Hallway A Water Cooler
Collected: 12/27/2021 11:17:00 AM
Lab ID: *012200708-0016*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	5.98	1.00	µg/L	1/17/2022 KB	1/18/2022 18:52 JW

Client Sample Description 16B
Hallway B Water Cooler
Collected: 12/27/2021 11:17:00 AM
Lab ID: *012200708-0017*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.95	1.00	µg/L	1/17/2022 KB	1/18/2022 18:54 JW

Client Sample Description 17
Hallway Water Cooler
Collected: 12/27/2021 11:16:00 AM
Lab ID: *012200708-0018*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	2.99	1.00	µg/L	1/17/2022 KB	1/18/2022 18:57 JW

Client Sample Description 18
Room 25 Bubbler
Collected: 12/27/2021 11:19:00 AM
Lab ID: *012200708-0019*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	6.38	1.00	µg/L	1/18/2022 KB	1/19/2022 02:06 KB

Client Sample Description 19
Room 26 Bubbler
Collected: 12/27/2021 11:19:00 AM
Lab ID: *012200708-0020*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.56	1.00	µg/L	1/17/2022 KB	1/18/2022 19:52 JW

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Project: **Voorhees Board of Education / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 20 Room 35 Bubbler — ***Collected:*** 12/27/2021 11:21:00 AM — ***Lab ID:*** *012200708-0021*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:07 KB

Client Sample Description 21 Room 34 Bubbler — ***Collected:*** 12/27/2021 11:22:00 AM — ***Lab ID:*** *012200708-0022*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:12 KB

Client Sample Description 22 Room 33 Bubbler — ***Collected:*** 12/27/2021 11:22:00 AM — ***Lab ID:*** *012200708-0023*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:14 KB

Client Sample Description 23 Room 32 Bubbler — ***Collected:*** 12/27/2021 11:23:00 AM — ***Lab ID:*** *012200708-0024*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:18 KB

Client Sample Description 24 Room 31 Bubbler — ***Collected:*** 12/27/2021 11:22:00 AM — ***Lab ID:*** *012200708-0025*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:20 KB

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 858-4571
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EMSL Order:	012200708
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 / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 25
Room 28 Bubbler
Collected: 12/27/2021 11:24:00 AM
Lab ID: *012200708-0026*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.89	1.00	µg/L	1/18/2022 KB	1/19/2022 02:21 KB

Client Sample Description 26
Room 29 Bubbler
Collected: 12/27/2021 11:26:00 AM
Lab ID: *012200708-0027*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.10	1.00	µg/L	1/18/2022 KB	1/19/2022 02:23 KB

Client Sample Description 27
Room 30 Bubbler
Collected: 12/27/2021 11:25:00 AM
Lab ID: *012200708-0028*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:24 KB

Client Sample Description 28A
Hallway A Water Cooler
Collected: 12/27/2021 11:26:00 AM
Lab ID: *012200708-0029*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:26 KB

Client Sample Description 28B
Hallway B Water Cooler
Collected: 12/27/2021 11:26:00 AM
Lab ID: *012200708-0030*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:31 KB

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:	012200708
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 / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 29 Cafeteria Outlet Kitchen ***Collected:*** 12/27/2021 11:28:00 AM ***Lab ID:*** *012200708-0031*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:32 KB

Client Sample Description 30 Kitchen Ice Machine ***Collected:*** 12/27/2021 11:28:00 AM ***Lab ID:*** *012200708-0032*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 02:34 KB

Client Sample Description 31 Kitchen Food Prep Sink (Cold) ***Collected:*** 12/27/2021 11:30:00 AM ***Lab ID:*** *012200708-0033*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 05:23 KB

Client Sample Description 32 Nurse's Office Sink (Cold) ***Collected:*** 12/27/2021 11:31:00 AM ***Lab ID:*** *012200708-0034*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/18/2022 KB	1/19/2022 05:28 KB

Client Sample Description 33 Main Office Sink (Cold) ***Collected:*** 12/27/2021 11:31:00 AM ***Lab ID:*** *012200708-0035*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	9.62	1.00	µg/L	1/18/2022 KB	1/19/2022 05:29 KB

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:	012200708
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 / ET Hamilton School / 23 Northgate Drive Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 34
Hallway at Room 1 Water Cooler

Collected: 12/27/2021
11:01:00 AM

Lab ID: *012200708-0036*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.69	1.00	µg/L	1/18/2022 KB	1/19/2022 05:31 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

OrderID: 012200708

USA Environmental Management, Inc.

012200708

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:	ET Hamilton School	**TECHNICIAN:**	M. Hines	☒ EPA 200.9	
ADDRESS:	23 Northgate Drive Voorhees, NJ 08043	**PROJECT #:**	22-020895-01		

Potable Water Sampling for Lead Concentration – Chain of Custody Record

	Wate	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
1	1	DW	F	Room 1 Bubbler	1107
2	2	DW	F	Room 2 Bubbler	1108
3	3	DW	F	Room 3 Bubbler	1108
4	4	DW	F	Room 4 Bubbler	1109
5	5	DW	F	Room 5 Bubbler	1109
6	6	DW	F	Room 6 Bubbler	1110
7	7	DW	F	Room 7 Bubbler	1110
8	8	DW	F	Room 8 Bubbler	1111
9	9	DW	F	Room 9 Bubbler	1111
10	10	DW	F	Room 10 Bubbler	1112
11	11	DW	F	Room 11 Bubbler	1112
12	12	DW	F	Room 12 Bubbler	1113
13	13	WC	F	Hallway by Room 12 Water Cooler	1113
14	14	WC	F	Hallway by Library Bathrooms Water Cooler	1133
15	15	KC	F	Teachers Lounge Sink (Cold)	1114

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	
☐ 1-Week	☒ 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines	1-5-22		I.		

COMMENTS:

36

Pg. 1 of 3

1.5.22 1:25 (W)

Rec. per email

OrderID: 012200708

USA Environmental Management, Inc. 012200708

344 West State Street
Trenton, New Jersey 08618

CLIENT:	Voorhees Board of Education	**DATE:**	12-27-21	**TYPE OF ANALYSIS**
BUILDING:	ET Hamilton School	**TECHNICIAN:**	M. Hines	☒ EPA 200.9
ADDRESS:	23 Northgate Drive Voorhees, NJ 08043	**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)
16.	16A	WC	F	Hallway A Water Cooler	1117
17.	16B	WC	F	Hallway B Water Cooler	1117
18.	17	WC	F	Hallway Water Cooler	1116
19.	18	DW	F	Room 25 Bubbler	1119
20.	19	DW	F	Room 26 Bubbler	1119
21.	20	DW	F	Room 35 Bubbler	1121
22.	21	DW	F	Room 34 Bubbler	1122
23.	22	DW	F	Room 33 Bubbler	1122
24.	23	DW	F	Room 32 Bubbler	1123
25	24	DW	F	Room 31 Bubbler	1122
26.	25	DW	F	Room 28 Bubbler	1124
27.	26	DW	F	Room 29 Bubbler	1126
28	27	DW	F	Room 30 Bubbler	1125
29.	28A	WC	F	Hallway A Water Cooler	1126
30.	28B	WC	F	Hallway B Water Cooler	1126

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	
☐ 1-Week	☒ 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines	1-5-22		I.		

COMMENTS: _____

Pg 2 of 3

OrderID: 012200708

USA Environmental Management, Inc.

012200708

344 West State Street
Trenton, New Jersey 08618

CLIENT:	Voorhees Board of Education	**DATE:**	12-27-21	**TYPE OF ANALYSIS**	
BUILDING:	ET Hamilton School	**TECHNICIAN:**	M. Hines	☒ EPA 200.9	
ADDRESS:	23 Northgate Drive Voorhees, NJ 08043	**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)
31	29	KC	F	Cafeteria Outlet Kitchen	1128
32	30	OT	F	Kitchen Ice Machine	1128
33	31	KC	F	Kitchen Food Prep Sink (Cold)	1130
34	32	NS	F	Nurse's Office Sink (Cold)	1131
35	33	KC	F	Main Office Sink (Cold)	1131
36	34	WC	F	Hallway at Room 1 Water Cooler	1101

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	
☐ 1-Week	☒ 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines	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
Phone: (609) 656-8101
Fax:

3/4/2022

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 / ET Hamilton School / 23 Northgate Drive, Voorhees, NJ 08043 / Project #: 22-020895-01

The reference number for these samples is EMSL Order #012202795. 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

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:	012202795
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 / ET Hamilton School / 23 Northgate Drive, Voorhees, NJ 08043 / Project #: 22-020895-01**

Analytical Results

Client Sample Description 6-DW-F
Room 6 Bubbler

Collected: 2/18/2022
10:45:00 AM

Lab ID: *012202795-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	ppb	3/2/2022 JM	3/2/2022 21:33 VD

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

OrderID: 012202795

USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

012202795

CLIENT:	Voorhees Board of Education	**DATE:**	2/18/22	**TYPE OF ANALYSIS**	
BUILDING:	ET Hamilton School	**TECHNICIAN:**	M. Hines	☒ EPA 200.9	
ADDRESS:	23 Northgate Drive Voorhees, NJ 08043	**PROJECT #:**	22-020895-01		

Potable Water Sampling for Lead Concentration – Chain of Custody Record

	Wate	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
1	6	DW	F	Room 6 Bubbler	1045

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	
☐ 1-Week	☒ 2 wk

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines	2-21-22	1210	I.		

COMMENTS: _____

Teresa H. 2/21/22 1110
Rec. per ea WI
DEA