



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

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

May 23, 2022

Osage Elementary School  
Voorhees Township Board of Education  
112 Somerdale Road  
Voorhees, NJ 08043

Dear Osage 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, Osage 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 55 samples taken, all but 12 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
Room 227 Bubbler	15.6	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
Hall B Water Cooler	244	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Hallway A Water Cooler	126	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
Hallway B Water Cooler	262	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Hallway Water Cooler	296	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
Hallway Water Cooler	545	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Hallway Water Cooler	647	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Water Cooler by Rm 108	47.4	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Water Cooler by Rm 102	22.9	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
APR B Water Cooler	95.9	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
Hall A Water Cooler	44.9	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle filling station.
Hall B Water Cooler	58.4	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.

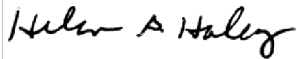
For More Information

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](http://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 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  
Osage 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 fifty-five (55) drinking water outlets was, conducted by Voorhees BOE representatives, on December 27, 2021, starting at 9:25 AM with collection complete at 10:45 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<sub>3</sub>). At each outlet, a “first draw” sample was collected prior to any known usage of the outlet.

Due to the twelve (12) 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 twelve (12) 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 (HNO<sub>3</sub>), 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 ( $\mu\text{g/L}$ ), was used to determine if further testing and/or remediation is warranted.

Results of analysis are summarized in Table 1 below:

<b>Table 1 – Osage Elementary School, Lead in Water Analysis</b>					
<b>Sample ID No.</b>	<b>Sample Location</b>	<b>Testing Parameter</b>	<b>Outlet Code</b>	<b>First Draw Results (ppb) 12/27/2021</b>	<b>Flush Results (ppb) 2/18/2022</b>
1	Room 229 bubbler	EPA 200.8	DW	4.2	NA
2	Room 226 bubbler	EPA 200.8	DW	1.89	NA
3	Room 225 bubbler	EPA 200.8	DW	3.43	NA
4	Room 228 bubbler	EPA 200.8	DW	ND	NA
5	Room 227 bubbler	EPA 200.8	DW	15.6	2.42
6A	Hall-A Water Cooler	EPA 200.8	WC	ND	NA
6B	Hall-B Water Cooler	EPA 200.8	WC	244	ND
7	Room 123 bubbler	EPA 200.8	DW	7.53	NA
8	Room 121 bubbler	EPA 200.8	DW	2.58	NA
9	Room 119 bubbler	EPA 200.8	DW	7.15	NA
10	Room 117 bubbler	EPA 200.8	DW	1.74	NA
11	Room 124 bubbler	EPA 200.8	DW	1.90	NA
12	Room 122 bubbler	EPA 200.8	DW	8.21	NA
13	Room 120 bubbler	EPA 200.8	DW	1.10	NA
14	Room 118 bubbler	EPA 200.8	DW	2.04	NA
15A	Hallway-A Water Cooler	EPA 200.8	WC	126	ND
15B	Hallway-B Water Cooler	EPA 200.8	WC	262	ND
16	Room 115 bubbler	EPA 200.8	DW	ND	NA
17	Room 113 bubbler	EPA 200.8	DW	ND	NA
18	Room 111 bubbler	EPA 200.8	DW	ND	NA
19	Room 116 bubbler	EPA 200.8	DW	2.45	NA
20	Room 114 bubbler	EPA 200.8	DW	ND	NA
21	Room 112 bubbler	EPA 200.8	DW	ND	NA
22	Room 110 bubbler	EPA 200.8	DW	1.33	NA
23	Hallway Water Cooler WC	EPA 200.8	WC	296	4.64
24	Hallway Water Cooler	EPA 200.8	WC	545	3.35
25	Hallway Water Cooler	EPA 200.8	WC	647	ND
26	Hallway Water Cooler	EPA 200.8	WC	ND	NA
27	Nurse’s Office Sink	EPA 200.8	NS	1.29	NA
28	Room 108 bubbler	EPA 200.8	DW	1.13	NA
29	Room 106 bubbler	EPA 200.8	DW	ND	NA
30	Room 104 bubbler	EPA 200.8	DW	ND	NA
31	Room 102 bubbler	EPA 200.8	DW	ND	NA
32	Room 101 bubbler	EPA 200.8	DW	ND	NA
33	Room 103 bubbler	EPA 200.8	DW	ND	NA
34	Room 105 bubbler	EPA 200.8	DW	ND	NA
35	Room 107 bubbler	EPA 200.8	DW	ND	NA
36	Hallway by Room 108 Water Cooler	EPA 200.8	WC	47.4	ND



Table 1 – Osage 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
37	Hallway by Room 102 Water Cooler	EPA 200.8	WC	22.9	ND
38	Room 128 Cold water	EPA 200.8	KC	1.15	NA
39A	Hallway A Water Cooler	EPA 200.8	WC	ND	NA
39B	Hallway B Water Cooler	EPA 200.8	WC	ND	NA
40A	Hallway A Water Cooler	EPA 200.8	WC	ND	NA
40B	Hallway B Water Cooler	EPA 200.8	WC	ND	NA
41	Room 162 Bubbler	EPA 200.8	DW	ND	NA
42	Room 161 Bubbler	EPA 200.8	DW	ND	NA
43	Room 160 Bubbler	EPA 200.8	DW	ND	NA
44A	APR A Water Cooler	EPA 200.8	WC	ND	NA
44B	APR B Water Cooler	EPA 200.8	WC	95.9	ND
45A	Hall A Water Cooler	EPA 200.8	WC	44.9	ND
45B	Hall B Water Cooler	EPA 200.8	WC	58.4	ND
46	Kitchen Sink (Cold)	EPA 200.8	KC	ND	NA
47	Dish room Sink (Cold)	EPA 200.8	KC	ND	NA
48	Teachers’ Lounge Ice Machine	EPA 200.8	OT	1.26	NA
49	Teachers’ Lounge Sink (Cold)	EPA 200.8	KC	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 “first draw” samples were detected above the USEPA and NJDEP Action Level of 15 ppb in twelve (12) of the fifty-five (55) locations. The outlets found to be above the action level were immediately taken out of service. Follow-up flush sampling was conducted on February 18, 2022, in the twelve elevated locations to determine the source of the lead contamination and the appropriate remediation measures.

The flush samples collected from the elevated fixtures are reported with lead levels below the USEPA and NJDEP Action Level of 15 ppb. The samples indicate that the contamination is localized to the outlets. The affected water coolers and bubblers should be abandoned or replaced with a new fixture.



Osage Elementary School  
112 Somerdale Rd, Voorhees Township, NJ 08043  
Final Report: Lead-In-Water Testing & Analysis  
Report Date: March 11, 2022

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

Respectfully Submitted:

A handwritten signature in blue ink that reads "Matthew Hines". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

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 / Osage Elementary School / 112  
Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01**

The reference number for these samples is EMSL Order #012200710. 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:

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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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012200710  
 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 / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 1  
 Room 227 Bubblers  
**Collected:** 12/27/2021 9:24:00 AM  
**Lab ID:** 012200710-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	4.20	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 02:43

**Client Sample Description** 2  
 Room 226 Bubblers  
**Collected:** 12/27/2021 9:25:00 AM  
**Lab ID:** 012200710-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.89	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 02:51

**Client Sample Description** 3  
 Room 225 Bubblers  
**Collected:** 12/27/2021 9:26:00 AM  
**Lab ID:** 012200710-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	3.43	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 02:52

**Client Sample Description** 4  
 Room 228 Bubblers  
**Collected:** 12/27/2021 9:27:00 AM  
**Lab ID:** 012200710-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 02:54

**Client Sample Description** 5  
 Room 229 Bubblers  
**Collected:** 12/27/2021 9:28:00 AM  
**Lab ID:** 012200710-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	15.6	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 02:55

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012200710  
 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 / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 6A  
 Hall-A Water Cooler  
**Collected:** 12/27/2021 9:29:00 AM  
**Lab ID:** 012200710-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 02:57

**Client Sample Description** 6B  
 Hall-B Water Cooler  
**Collected:** 12/27/2021 10:20:00 AM  
**Lab ID:** 012200710-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	244 D	5.00 µg/L	1/18/2022 KB	1/19/2022 KB 12:58

**Client Sample Description** 7  
 Room 123 Bubblers  
**Collected:** 12/27/2021 9:30:00 AM  
**Lab ID:** 012200710-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	7.53	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 12:59

**Client Sample Description** 8  
 Room 121 Bubblers  
**Collected:** 12/27/2021 9:32:00 AM  
**Lab ID:** 012200710-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.58	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:02

**Client Sample Description** 9  
 Room 119 Bubblers  
**Collected:** 12/27/2021 9:33:00 AM  
**Lab ID:** 012200710-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	7.15	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:03

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012200710  
 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 / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 10 Room 117 Bubblers **Collected:** 12/27/2021 9:33:00 AM **Lab ID:** 012200710-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.74	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:08

**Client Sample Description** 11 Room 124 Bubblers **Collected:** 12/27/2021 9:30:00 AM **Lab ID:** 012200710-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.90	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:13

**Client Sample Description** 12 Room 122 Bubblers **Collected:** 12/27/2021 9:31:00 AM **Lab ID:** 012200710-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	8.21	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:14

**Client Sample Description** 13 Room 120 Bubblers **Collected:** 12/27/2021 9:34:00 AM **Lab ID:** 012200710-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.10	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:16

**Client Sample Description** 14 Room 118 Bubblers **Collected:** 12/27/2021 9:35:00 AM **Lab ID:** 012200710-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.04	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:17

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012200710  
 CustomerID: USA53  
 CustomerPO: 22-020895-01  
 ProjectID:

Attn: **Matthew Hines**  
**USA Environmental Management, Inc.**  
**344 West State Street**  
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 Received: 1/5/2022 01:25 PM

Project: Voorhees Board of Education / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 15A Hallway-A Water Cooler **Collected:** 12/27/2021 10:42:00 AM **Lab ID:** 012200710-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	126 D	5.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:01

**Client Sample Description** 15B Hallway-B Water Cooler **Collected:** 12/27/2021 10:43:00 AM **Lab ID:** 012200710-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	262 D	5.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:02

**Client Sample Description** 16 Room 115 Bubblers **Collected:** 12/27/2021 9:37:00 AM **Lab ID:** 012200710-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:04

**Client Sample Description** 17 Room 113 Bubblers **Collected:** 12/27/2021 9:38:00 AM **Lab ID:** 012200710-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:27

**Client Sample Description** 18 Room 111 Bubblers **Collected:** 12/27/2021 9:40:00 AM **Lab ID:** 012200710-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:28

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012200710  
 CustomerID: USA53  
 CustomerPO: 22-020895-01  
 ProjectID:

Attn: **Matthew Hines**  
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Project: Voorhees Board of Education / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 19 Room 116 Bubblers **Collected:** 12/27/2021 9:37:00 AM **Lab ID:** 012200710-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.45	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:34

**Client Sample Description** 20 Room 114 Bubblers **Collected:** 12/27/2021 9:39:00 AM **Lab ID:** 012200710-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:39

**Client Sample Description** 21 Room 112 Bubblers **Collected:** 12/27/2021 9:40:00 AM **Lab ID:** 012200710-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:40

**Client Sample Description** 22 Room 110 Bubblers **Collected:** 12/27/2021 9:41:00 AM **Lab ID:** 012200710-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.33	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:45

**Client Sample Description** 23 Hallway Water Cooler WC **Collected:** 12/27/2021 10:41:00 AM **Lab ID:** 012200710-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	296 D	5.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:06

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012200710  
 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 / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 24 Hallway Water Cooler **Collected:** 12/27/2021 10:40:00 AM **Lab ID:** 012200710-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	545 D	10.0 µg/L	1/17/2022 KB	1/18/2022 JW 20:56

**Client Sample Description** 25 Hallway Water Cooler **Collected:** 12/27/2021 10:39:00 AM **Lab ID:** 012200710-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	647 D	10.0 µg/L	1/17/2022 KB	1/18/2022 JW 20:59

**Client Sample Description** 26 Hallway Water Cooler **Collected:** 12/27/2021 9:43:00 AM **Lab ID:** 012200710-0028

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:07

**Client Sample Description** 27 Nurse's Office Sink **Collected:** 12/27/2021 9:45:00 AM **Lab ID:** 012200710-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.29	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:12

**Client Sample Description** 28 Room 108 Bubblers **Collected:** 12/27/2021 9:46:00 AM **Lab ID:** 012200710-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.13	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:51

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EMSL Order: 012200710  
 CustomerID: USA53  
 CustomerPO: 22-020895-01  
 ProjectID:

Attn: **Matthew Hines**  
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**344 West State Street**  
**Trenton, NJ 08618**

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

Project: Voorhees Board of Education / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 29  
 Room 106 Bubblers  
**Collected:** 12/27/2021 9:48:00 AM  
**Lab ID:** 012200710-0031

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:53

**Client Sample Description** 30  
 Room 104 Bubblers  
**Collected:** 12/27/2021 9:49:00 AM  
**Lab ID:** 012200710-0032

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:54

**Client Sample Description** 31  
 Room 102 Bubblers  
**Collected:** 12/27/2021 9:57:00 AM  
**Lab ID:** 012200710-0033

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 03:56

**Client Sample Description** 32  
 Room 101 Bubblers  
**Collected:** 12/27/2021 9:50:00 AM  
**Lab ID:** 012200710-0034

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:14

**Client Sample Description** 33  
 Room 103 Bubblers  
**Collected:** 12/27/2021 9:49:00 AM  
**Lab ID:** 012200710-0035

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:15



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EMSL Order: 012200710  
 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 / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 34 Room 105 Bubblers **Collected:** 12/27/2021 9:47:00 AM **Lab ID:** 012200710-0036

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:17

**Client Sample Description** 35 Room 107 Bubblers **Collected:** 12/27/2021 9:45:00 AM **Lab ID:** 012200710-0037

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:18

**Client Sample Description** 36 Hallway by Room 108 Water Cooler **Collected:** 12/27/2021 10:18:00 AM **Lab ID:** 012200710-0038

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	47.4	1.00 µg/L	1/17/2022 KB	1/18/2022 JW 20:19

**Client Sample Description** 37 Hallway by Room 102 Water Cooler **Collected:** 12/27/2021 10:37:00 AM **Lab ID:** 012200710-0039

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	22.9	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:20

**Client Sample Description** 38 Room 128 Cold Water **Collected:** 12/27/2021 10:40:00 AM **Lab ID:** 012200710-0040

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.15	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:21

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EMSL Order: 012200710  
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**Analytical Results**

**Client Sample Description** 39A Hallway A Water Cooler **Collected:** 12/27/2021 9:55:00 AM **Lab ID:** 012200710-0041

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:23

**Client Sample Description** 39B Hallway B Water Cooler **Collected:** 12/27/2021 10:34:00 AM **Lab ID:** 012200710-0042

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:24

**Client Sample Description** 40A Hallway A Water Cooler **Collected:** 12/27/2021 10:35:00 AM **Lab ID:** 012200710-0043

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 13:26

**Client Sample Description** 40B Hallway B Water Cooler **Collected:** 12/27/2021 10:36:00 AM **Lab ID:** 012200710-0044

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 00:58

**Client Sample Description** 41 Room 162 Bubblers **Collected:** 12/27/2021 9:58:00 AM **Lab ID:** 012200710-0045

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

**EMSL Analytical, Inc.**

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EMSL Order: 012200710  
 CustomerID: USA53  
 CustomerPO: 22-020895-01  
 ProjectID:

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

Project: Voorhees Board of Education / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 42 Room 161 Bubler **Collected:** 12/27/2021 10:00:00 AM **Lab ID:** 012200710-0046

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:04

**Client Sample Description** 43 Room 160 Bubler **Collected:** 12/27/2021 10:01:00 AM **Lab ID:** 012200710-0047

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:05

**Client Sample Description** 44A APR A Water Cooler **Collected:** 12/27/2021 10:01:00 AM **Lab ID:** 012200710-0048

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:07

**Client Sample Description** 44B APR B Water Cooler **Collected:** 12/27/2021 10:25:00 AM **Lab ID:** 012200710-0049

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	95.9	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:08

**Client Sample Description** 45A Hall A Water Cooler **Collected:** 12/27/2021 10:02:00 AM **Lab ID:** 012200710-0050

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	44.9	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:10

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077  
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EMSL Order: 012200710  
 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 / Osage Elementary School / 112 Somerdale Road Voorhees, NJ 08043 / Project #: 22-020895-01

**Analytical Results**

**Client Sample Description** 45B Hall B Water Cooler **Collected:** 12/27/2021 10:03:00 AM **Lab ID:** 012200710-0051

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	58.4	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:12

**Client Sample Description** 46 Kitchen Sink (Cold) **Collected:** 12/27/2021 10:04:00 AM **Lab ID:** 012200710-0052

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

**Client Sample Description** 47 Dishroom Sink (Cold) **Collected:** 12/27/2021 10:05:00 AM **Lab ID:** 012200710-0053

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:21

**Client Sample Description** 48 Teachers Lounge Ice Machine **Collected:** 12/27/2021 10:06:00 AM **Lab ID:** 012200710-0054

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.26	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:22

**Client Sample Description** 49 Teachers Lounge Sink (Cold) **Collected:** 12/27/2021 10:07:00 AM **Lab ID:** 012200710-0055

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 01:27



## EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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<http://www.EMSL.com>

[EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order:	012200710
CustomerID:	USA53
CustomerPO:	22-020895-01
ProjectID:	

### 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



# USA Environmental Management, Inc.

344 West State Street  
Trenton, New Jersey 08618

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012200710

**CLIENT:** Voorhees Board of Education **DATE:** 12-27-21  
**BUILDING:** Osage Elementary School **TECHNICIAN:** M. Hines **TYPE OF ANALYSIS:**  EPA 200.9  
 112 Somerdale Road Voorhees, NJ  
**ADDRESS:** 08043 **PROJECT #:** 22-020895-01

JAN -5 PM 1:26

## 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)
1	DW	F	Room 227 Bubbler	0924
2	DW	F	Room 226 Bubbler	0925
3	DW	F	Room 225 Bubbler	0926
4	DW	F	Room 228 Bubbler	0927
5	DW	F	Room 229 Bubbler	0928
6A	WC	F	Hall-A Water Cooler	0929
6B	WC	F	Hall-B Water Cooler	1020
7	DW	F	Room 123 Bubbler	0930
8	DW	F	Room 121 Bubbler	0932
9	DW	F	Room 119 Bubbler	0933
10	DW	F	Room 117 Bubbler	0933
11	DW	F	Room 124 Bubbler	0930
12	DW	F	Room 122 Bubbler	0931
13	DW	F	Room 120 Bubbler	0934
14	DW	F	Room 118 Bubbler	0935

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"/> _____

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

COMMENTS:

\_\_\_\_\_

*[Signature]* 1-5-22 1:25 PM

Pg 1 of 4

Rev. *[Signature]*

5722 1:25 PM

55  
Eh



**USA Environmental Management, Inc.**

344 West State Street  
Trenton, New Jersey 08618

012200710

**CLIENT:** Voorhees Board of Education      **DATE:** 12-27-21      **TYPE OF ANALYSIS**  
**BUILDING:** Osage Elementary School      **TECHNICIAN:** M. Hines       EPA 200.9  
112 Somerdale Road Voorhees, NJ  
**ADDRESS:** 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.	15A	WC	F	Hallway-A Water Cooler	1042
17.	15B	WC	F	Hallway-B Water Cooler	1043
18.	16	DW	F	Room 115 Bubbler	0937
19.	17	DW	F	Room 113 Bubbler	0938
20.	18	DW	F	Room 111 Bubbler	0940
21.	19	DW	F	Room 116 Bubbler	0937
22.	20	DW	F	Room 114 Bubbler	0939
23.	21	DW	F	Room 112 Bubbler	0940
24.	22	DW	F	Room 110 Bubbler	0941
25.	23	WC	F	Hallway Water Cooler WC	1041
26.	24	WC	F	Hallway Water Cooler	1040
27.	25	WC	F	Hallway Water Cooler	1039
28.	26	WC	F	Hallway Water Cooler	0943
29.	27	NS	F	Nurse's Office Sink	0945
30.	28	DW	F	Room 108 Bubbler	0946

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 2 of 4



**USA Environmental Management, Inc.**

012200710

344 West State Street  
Trenton, New Jersey 08618

**CLIENT:** Voorhees Board of Education      **DATE:** 12-27-21      **TYPE OF ANALYSIS**  
**BUILDING:** Osage Elementary School      **TECHNICIAN:** M. Hines       EPA 200.9  
112 Somerdale Road Voorhees, NJ  
**ADDRESS:** 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	DW	F	Room 106 Bubbler	0948
32	DW	F	Room 104 Bubbler	0949
33	DW	F	Room 102 Bubbler	0957
34	DW	F	Room 101 Bubbler	0950
35	DW	F	Room 103 Bubbler	0949
36	DW	F	Room 105 Bubbler	0947
37	DW	F	Room 107 Bubbler	0945
38	WC	F	Hallway by Room 108 Water Cooler	1018
39	WC	F	Hallway by Room 102 Water Cooler	1037
40	KC	F	Room 128 Cold water	1040
41	39A	WC	Hallway A Water Cooler	0955
42	39B	WC	Hallway B Water Cooler	1034
43	40A	WC	Hallway A Water Cooler	1035
44	40B	WC	Hallway B Water Cooler	1036
45	41	DW	Room 162 Bubbler	0958

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"/> _____

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

**COMMENTS:** \_\_\_\_\_

Pg 3 of 4





**USA Environmental Management, Inc.**

012200770

344 West State Street  
Trenton, New Jersey 08618

**CLIENT:** Voorhees Board of Education      **DATE:** 12-27-21      **TYPE OF ANALYSIS**  
**BUILDING:** Osage Elementary School      **TECHNICIAN:** M. Hines       EPA 200.9  
112 Somerdale Road Voorhees, NJ  
**ADDRESS:** 08043      **PROJECT #:** 22-020895-01

**Potable Water Sampling for Lead Concentration – Chain of Custody Record**

46  
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ID No.	Code	Type	Floor – Room Number/Location	Time of Collection (24 Hrs)
42	DW	F	Room 161 Bubbler	1000
43	DW	F	Room 160 Bubbler	1001
44A	WC	F	APR A Water Cooler	1001
44B	WC	F	APR B Water Cooler	1025
45A	WC	F	Hall A Water Cooler	1002
45B	WC	F	Hall B Water Cooler	1003
46	KC	F	Kitchen Sink (Cold)	1004
47	KC	F	Dishroom Sink (Cold)	1005
48	OT	F	Teachers Lounge Ice Machine	1006
49	KC	F	Teachers Lounge Sink (Cold)	1007
		F		
		F		
		F		
		F		
		F		

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"/> _____

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

**COMMENTS:** \_\_\_\_\_

Pg 4 of 4



**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 / Osage Elementary School / 112  
Somerdale Road, Voorhees, NJ 08043/ Project #: 22-020895-01**

The reference number for these samples is EMSL Order #012202805. 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](mailto:EnvChemistry2@emsl.com)

EMSL Order:	012202805
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 / Osage Elementary School / 112 Somerdale Road, Voorhees, NJ 08043/ Project #: 22-020895-01**

**Analytical Results**

**Client Sample Description** 5-DW-F  
Room 227  
**Collected:** 2/18/2022  
9:22:00 AM  
**Lab ID:** 012202805-0001

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

200.8	Lead	2.42	1.00 ppb	3/2/2022 JM	3/2/2022 20:51 VD
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**Client Sample Description** 6B-WC-F  
Hall B Water Cooler  
**Collected:** 2/18/2022  
9:25:00 AM  
**Lab ID:** 012202805-0002

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 20:55 VD
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**Client Sample Description** 15A-WC-F  
Hallway A-Water Cooler  
**Collected:** 2/18/2022  
9:50:00 AM  
**Lab ID:** 012202805-0003

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 20:57 VD
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**Client Sample Description** 15B-WC-F  
Hallway B-Water Cooler  
**Collected:** 2/18/2022  
9:50:00 AM  
**Lab ID:** 012202805-0004

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 20:58 VD
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**Client Sample Description** 23-WC-F  
Hallway Water Cooler  
**Collected:** 2/18/2022  
9:55:00 AM  
**Lab ID:** 012202805-0005

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

200.8	Lead	4.64	1.00 ppb	3/2/2022 JM	3/2/2022 21:03 VD
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**EMSL Analytical, Inc.**

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 Phone/Fax: (856) 303-2500 / (856) 858-4571  
<http://www.EMSL.com> [EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012202805  
 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 / Osage Elementary School / 112 Somerdale Road, Voorhees, NJ 08043/ Project #: 22-020895-01**

**Analytical Results**

**Client Sample Description** 24-WC-F  
 Hallway Water Cooler  
**Collected:** 2/18/2022 9:55:00 AM  
**Lab ID:** 012202805-0006

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

200.8	Lead	3.35	1.00 ppb	3/2/2022 JM	3/2/2022 21:05 VD
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**Client Sample Description** 25-WC-F  
 Hallway Water Cooler  
**Collected:** 2/18/2022 9:58:00 AM  
**Lab ID:** 012202805-0007

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 21:06 VD
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**Client Sample Description** 36-WC-F  
 Hallway By Room 108 Water Cooler  
**Collected:** 2/18/2022 9:15:00 AM  
**Lab ID:** 012202805-0008

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 21:08 VD
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**Client Sample Description** 37-WC-F  
 Hallway By Room 102 Water Cooler  
**Collected:** 2/18/2022 9:18:00 AM  
**Lab ID:** 012202805-0009

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 21:09 VD
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**Client Sample Description** 44B-WC-F  
 APRB Water Cooler  
**Collected:** 2/18/2022 10:05:00 AM  
**Lab ID:** 012202805-0010

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 21:11 VD
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**EMSL Analytical, Inc.**

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<http://www.EMSL.com>[EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order:	012202805
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 / Osage Elementary School / 112 Somerdale Road, Voorhees, NJ 08043/ Project #: 22-020895-01**

**Analytical Results**

<b>Client Sample Description</b>	45A-WC-F Hall A Water Cooler	<b>Collected:</b>	2/18/2022 10:06:00 AM	<b>Lab ID:</b>	012202805-0011
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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 21:12 VD
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<b>Client Sample Description</b>	45B-WC-F Hall B Water Cooler	<b>Collected:</b>	2/18/2022 10:08:00 AM	<b>Lab ID:</b>	012202805-0012
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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 21:17 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



**USA Environmental Management, Inc.**

344 West State Street  
Trenton, New Jersey 08618

012202805

**CLIENT:** Voorhees Board of Education **DATE:** 2/18/22 **TYPE OF ANALYSIS**  
**BUILDING:** Osage Elementary School **TECHNICIAN:** M. Hines  EPA 200.9  
**ADDRESS:** 112 Somerdale Road 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)
1	5	DW	F Room 227	0922
2	6B	WC	F Hall B Water Cooler	0925
3	15A	WC	F Hallway A - water cooler	0950
4	15B	WC	F Hallway B - water cooler	0950
5	23	WC	F Hallway Water cooler	0955
6	24	WC	F Hallway water cooler	0955
7	25	WC	F Hallway Water cooler	0958
8	36	WC	F Hallway by Room 108 water cooler	0958
9	37	WC	F Hallway by Room 102, water cooler	0918
10	44B	WC	F APR B Water Cooler	1005
11	45A	WC	F Hall A Water Cooler	1006
12	45B	WC	F Hall B Water Cooler	1008

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"/> <u>2 WEEK</u>

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Hines <i>[Signature]</i>	2-24-22		I.		

**COMMENTS:** PER CLIENT EMAIL 2/22/22

*[Signature]* 2/21/22 1110  
WT  
12 EC