



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

Kresson Elementary School  
Voorhees Township Board of Education  
7 School Lane  
Voorhees, NJ 08043

Dear Kresson 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, Kresson 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 22 samples taken, all but 6 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
Dishroom Cafeteria Outlet	62.6	Replaced faucet with new lead free fixture
Hallway Water Cooler	34.7	Disconnected outlet in 2020 due to Covid-19 protocol. Replacing with filtered bottle fill station
Hallway Water Cooler A	1780	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Hallway Water Cooler B	721	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Hallway Water Cooler	171	Disconnected outlet in 2020 due to Covid-19 protocol. Eliminating fixture.
Hallway Water Cooler	873	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.

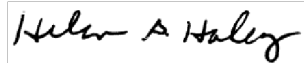
### For More Information

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 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  
Kresson 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 twenty-two (22) drinking water outlets was, conducted by Voorhees BOE representatives, on December 27, 2021, starting at 12:50 AM with collection complete at 1:10 PM. 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 six (6) 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 six (6) 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 (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 – Kresson 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	Hallway Water Cooler	EPA 200.8	WC	ND	NA
2	Main Office Kitchen Sink	EPA 200.8	KC	2.41	NA
3A	Dishroom Ice Machine	EPA 200.8	OT	13.1	NA
3B	Kitchen Ice Machine	EPA 200.8	OT	ND	NA
4	Kitchen Food Prep Sink	EPA 200.8	KC	3.00	NA
5	Dishroom Cafeteria Outlet	EPA 200.8	KC	62.6	ND
6	Teachers’ Lounge Sink	EPA 200.8	KC	9.14	NA
7	Hallway Water Cooler	EPA 200.8	WC	34.7	1.2
8	Main Office Sink (Cold)	EPA 200.8	KC	3.58	NA
9	Nurse's Office Sink (Cold)	EPA 200.8	NS	1.29	NA
10A	Hallway Water Cooler A	EPA 200.8	WC	1780	3.69
10B	Hallway Water Cooler B	EPA 200.8	WC	721	1.36
11	Hallway Water Cooler	EPA 200.8	WC	ND	NA
12	Hallway Water Cooler	EPA 200.8	WC	171	ND
13B	Hallway Water Cooler	EPA 200.8	WC	ND	NA
14	Hallway Water Cooler	EPA 200.8	WC	873	4.10
15	Hallway Water Cooler	EPA 200.8	WC	6.05	NA
16	Room 151 Bubbler	EPA 200.8	DW	2.16	NA
17	Room 152 Bubbler	EPA 200.8	DW	3.20	NA
18	Room 153 Bubbler	EPA 200.8	DW	2.31	NA
19	Room 154 Bubbler	EPA 200.8	DW	1.10	NA
20	Room 155 Bubbler	EPA 200.8	DW	1.03	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 six (6) of the twenty-two (22) 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 six (6) elevated locations to determine the source of the lead contamination and the appropriate remediation measures.



Kresson Elementary School  
7 School Ln, Voorhees Township, NJ 08043  
Final Report: Lead-In-Water Testing & Analysis  
Report Date: March 11, 2022

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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 and dish room sink 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](mailto:EnvChemistry2@emsl.com)

---

Attn:

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

1/19/2022

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:

**22-020895-01 Kresson School**

The reference number for these samples is EMSL Order #012200482. 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: 012200482  
 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: 22-020895-01 Kresson School

**Analytical Results**

**Client Sample Description** 1 WC F Hallway Water Cooler **Collected:** 12/27/2021 12:55:00 PM **Lab ID:** 012200482-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:29

**Client Sample Description** 2 KC F Main Office Kitchen Sink **Collected:** 12/27/2021 12:55:00 PM **Lab ID:** 012200482-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.41	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:30

**Client Sample Description** 3A OT F Dishroom Ice Machine **Collected:** 12/27/2021 12:57:00 PM **Lab ID:** 012200482-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	13.1	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:32

**Client Sample Description** 3B OT F Kitcehn Ice Machine **Collected:** 12/27/2021 12:58:00 PM **Lab ID:** 012200482-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:34

**Client Sample Description** 4 KC F Kitchen Food Prep Sink **Collected:** 12/27/2021 12:57:00 PM **Lab ID:** 012200482-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	3.80	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:35

**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: 012200482  
 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: 22-020895-01 Kresson School

**Analytical Results**

**Client Sample Description** 5 KC F Dishroom Cafeteria Outlet **Collected:** 12/27/2021 12:57:00 PM **Lab ID:** 012200482-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	62.6	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:40

**Client Sample Description** 6 KC F Teacher's Lounge Sink **Collected:** 12/27/2021 12:58:00 PM **Lab ID:** 012200482-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	9.14	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:41

**Client Sample Description** 7 WC HF Hallway Water Cooler **Collected:** 12/27/2021 12:51:00 PM **Lab ID:** 012200482-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	34.7	1.00 ppb	1/14/2021 JW	1/14/2022 JW 17:56

**Client Sample Description** 8 KC F Main Office Sink ( Cold) **Collected:** 12/27/2021 12:52:00 PM **Lab ID:** 012200482-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	3.58	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:43

**Client Sample Description** 9 NS F Nurse's Office Sink ( Cold) **Collected:** 12/27/2021 1:06:00 PM **Lab ID:** 012200482-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.29	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:48

**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:	012200482
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: 22-020895-01 Kresson School

**Analytical Results**

**Client Sample Description** 10A  
 WC F Hallway Cooler A  
**Collected:** 12/27/2021 1:07:00 PM  
**Lab ID:** 012200482-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1780 D	50.0 ppb	1/14/2021 JW	1/14/2022 JW 18:42

**Client Sample Description** 10B  
 WC F Hallway Cooler B  
**Collected:** 12/27/2021 1:07:00 PM  
**Lab ID:** 012200482-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	721 D	20.0 ppb	1/17/2022 KB	1/18/2022 KB 14:49

**Client Sample Description** 11  
 WC F Hallway Cooler  
**Collected:** 12/27/2021 1:09:00 PM  
**Lab ID:** 012200482-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:51

**Client Sample Description** 12  
 WC F Hallway Cooler  
**Collected:** 12/27/2021 1:12:00 PM  
**Lab ID:** 012200482-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	171 D	5.00 ppb	1/17/2022 KB	1/18/2022 KB 15:17

**Client Sample Description** 13B  
 WC F Hallway Cooler  
**Collected:** 12/27/2021 1:11:00 PM  
**Lab ID:** 012200482-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:52

**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: 012200482  
 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: 22-020895-01 Kresson School

**Analytical Results**

**Client Sample Description** 14 WC F Hallway Cooler **Collected:** 12/27/2021 1:12:00 PM **Lab ID:** 012200482-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	873 D	20.0 ppb	1/14/2021 JW	1/14/2022 JW 18:44

**Client Sample Description** 15 WC F Hallway Cooler **Collected:** 12/27/2021 1:04:00 PM **Lab ID:** 012200482-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	6.05	1.00 ppb	1/14/2021 JW	1/14/2022 JW 18:03

**Client Sample Description** 16 DW F Room 151 Bubblers **Collected:** 12/27/2021 1:04:00 PM **Lab ID:** 012200482-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.16	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:54

**Client Sample Description** 17 DW F Room 152 Bubblers **Collected:** 12/27/2021 1:05:00 PM **Lab ID:** 012200482-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	3.20	1.00 ppb	1/17/2022 KB	1/18/2022 KB 14:59

**Client Sample Description** 18 DW F Room 153 Bubblers **Collected:** 12/27/2021 1:05:00 PM **Lab ID:** 012200482-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.31	1.00 ppb	1/17/2022 KB	1/18/2022 KB 15:00

**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:	012200482
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: 22-020895-01 Kresson School

**Analytical Results**

**Client Sample Description** 19 **Collected:** 12/27/2021 **Lab ID:** 012200482-0021  
 DW F Room 154 Bubbler 1:06:00 PM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.10	1.00 ppb	1/17/2022 KB	1/18/2022 KB 15:02

**Client Sample Description** 20 **Collected:** 12/27/2021 **Lab ID:** 012200482-0022  
 DW F Room 155 Bubbler 1:06:00 PM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.03	1.00 ppb	1/17/2022 KB	1/18/2022 KB 15:03

**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

012200482



**USA Environmental Management, Inc.**

344 West State Street  
Trenton, New Jersey 08618

RECEIVED  
EMSL  
DUNNAMINSON, NJ  
22 JAN -5 PM 1:26

**CLIENT:** Voorhees Board of Education **DATE:** 12-27-21 **TYPE OF ANALYSIS**  
**BUILDING:** Kresson School **TECHNICIAN:** M. Hines  EPA 200.9  
**ADDRESS:** 7 School Lane 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	WC	F	Hallway Water Cooler	1255
2	KC	F	Main Office Kitchen Sink	1255
3	3A OT	F	Dishroom Ice Machine	1257
4	3B OT	F	Kitchen Ice Machine	1258
5	4 KC	F	Kitchen Food Prep Sink	1257
6	5 KC	F	Dishroom Cafeteria Outlet	1257
7	6 KC	F	Teachers Lounge Sink	1258
8	7 WC	HF	Hallway Water Cooler	1251
9	8 KC	F	Main Office Sink (Cold)	1252
10	9 NS	F	Nurse's Office Sink (Cold)	1306
11	10A WC	F	Hallway Water Cooler A	1307
12	10B WC	F	Hallway Water Cooler B	1307
13	11 WC	F	Hallway Water Cooler	1309
14	12 WC	F	Hallway Water Cooler	1312
15	13B WC	F	Hallway Water Cooler	1311

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	1-5-22		I.		

COMMENTS:

*Step 1-5-22 1:25*

012200482



**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:** Kresson School      **TECHNICIAN:** M. Hines       EPA 200.9  
**ADDRESS:** 7 School Lane 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	WC	F	Hallway Water Cooler	1312
17	WC	F	Hallway Water Cooler	1304
18	DW	F	Room 151 Bubbler	1304
19	DW	F	Room 152 Bubbler	1305
20	DW	F	Room 153 Bubbler	1305
21	DW	F	Room 154 Bubbler	1306
22	DW	F	Room 155 Bubbler	1306

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	1-5-22		I.		

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

Pg 2 of 2



**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 / Kresson School / 7 School Lane,  
Voorhees, NJ 08043 / Project #: 22-020895-01**

The reference number for these samples is EMSL Order #012202799. 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: 012202799  
 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 / Kresson School / 7 School Lane, Voorhees, NJ 08043 / Project #: 22-020895-01**

**Analytical Results**

**Client Sample Description** 5-KC-F **Collected:** 2/18/2022 **Lab ID:** 012202799-0001  
 Dish Room Sink, Kitchen 11:48:00 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 20:31 VD
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**Client Sample Description** 7-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202799-0002  
 Hallway Water Cooler 11:45:00 AM

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

200.8	Lead	1.20	1.00 ppb	3/2/2022 JM	3/2/2022 20:32 VD
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**Client Sample Description** 10A-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202799-0003  
 Hallway Water Cooler A 11:49:00 AM

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

200.8	Lead	3.69	1.00 ppb	3/2/2022 JM	3/2/2022 20:34 VD
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**Client Sample Description** 10B-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202799-0004  
 Hallway Water Cooler B 11:50:00 AM

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

200.8	Lead	1.36	1.00 ppb	3/2/2022 JM	3/2/2022 20:35 VD
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**Client Sample Description** 12-WC-F **Collected:** 2/18/2022 **Lab ID:** 012202799-0005  
 Hallway Water Cooler 11:52:00 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 20:37 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](mailto:EnvChemistry2@emsl.com)

EMSL Order:	012202799
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 / Kresson School / 7 School Lane, Voorhees, NJ 08043 / Project #: 22-020895-01**

**Analytical Results**

<b>Client Sample Description</b>	14-WC-F Hallway Water Cooler	<b>Collected:</b>	2/18/2022 11:55:00 AM	<b>Lab ID:</b>	012202799-0006
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	4.10	1.00 ppb	3/2/2022 JM	3/2/2022 20:38 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



012202799

### 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:** Kresson School      **TECHNICIAN:** M. Hines       EPA 200.9  
**ADDRESS:** 7 School Lane 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.	KC	F	Dish Room Sink, Kitchen	1148
2	7.	WC	F	Hallway Water Cooler	1145
3	10A	WC	F	Hallway Water Cooler A	1149
4	10B	WC	F	Hallway Water Cooler B	1150
5	12.	WC	F	Hallway Water Cooler #	1152
6	14.	WC	F	Hallway Water Cooler	1155

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	2-21-22		I.		

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

*Matthew Hines* 2/21/22 1110 WF

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

*Rec. person* (6)