

**Lead in Drinking Water
First Draw
Sampling Report**

Chapel Hill Academy School

Prepared For:

Chapel Hill Academy

31 Chapel Hill Rd.
Lincoln Park, NJ 07035

Performed By:

AERO Environmental Services Inc.
275 Rt 10 East, 220-306 Succasunna, NJ 07876

Report Date

March 27, 2025

AERO ENVIRONMENTAL SERVICES, INC.

ENGINEERING • CONSULTING • TESTING

275 Route 10 East, Suite 220-306 Succasunna, NJ 07876

Telephone (973) 920-9061

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March 27, 2025

Mr. Michael Somers
Administrator
Chapel Hill Academy School
31 Chapel Hill Rd
Lincoln Park, NJ 07035

Re: Lead in Drinking Water Report - First Draw Sampling

Dear Mr. Somers,

Enclosed is the final report for Lead in Drinking Water Sampling & Analysis conducted for the Chapel Hill Academy School District. The lead in drinking water sampling was conducted of all active drinking water locations at the following district facilities.

- Chapel Hill Academy School

A total of sixteen (16) first draw samples, including field blanks, were collected while at each district facility. All first draw samples were analyzed. All samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8

Based on laboratory analysis of all functioning drinking water locations samples analyzed, **zero (0) samples exceeded the action limit.** No remedial action is required. All lead results were below 15 µg/L which is the New Jersey Action Level.

If you have any questions, please contact me at directly at 973-920-9061.

Sincerely,



Michael Berta, CSP, CPEA
AERO Environmental Services Inc.
mberta@aeroenvironmental.net

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Chapel Hill Academy

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1.0 INTRODUCTION

AERO Environmental Services, Inc. was contracted by the Chapel Hill Academy School District to conduct Lead in Drinking Water Sampling at one (1) district facility. The water sampling was performed by Michael Berta of AERO Environmental Services Inc. All samples were analyzed by EMSL Analytical Inc. at 200 Route 130 North, Cinnaminson, NJ 08077, a New Jersey certified Lead in Drinking Water testing facility.

The purpose of sampling was to collect first the draw drinking water samples from all active drinking water locations within the district and have them analyzed for lead concentration levels.

The initial first draw samples were taken from active drinking water outlets and food preparation outlets throughout the facilities. These samples determine the lead content of water sitting in water outlets that are used for drinking or cooking within each facility.

Lead in water can originate from the outlet fixture or plumbing upstream of the outlet fixture (e.g., pipe, joints, valves, fittings etc.). Lead can also enter a facility through the drinking water system. Sample results are then compared to assist in determining the sources of lead contamination and the appropriate corrective measures.

If initial first draw test results reveal lead concentrations greater than 15 $\mu\text{g/l}$ (ppb) in a 250 mL sample for a given outlet, follow-up flush testing is required to determine if the lead contamination results are from the fixture or from interior plumbing.

All samples were collected in a 250 mL wide mouth plastic container that was provided by the analytical laboratory. At each sample location, the first draw sample was taken after it was determined that the water had been standing in the plumbing system for greater than eight hours but less than forty-eight hours.

-END OF SECTION-

2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Table(s) 1 below shows the concentration of lead (parts per billion or microgram per liter) at each active drinking water location sampled. Sampling conducted followed NJDEP protocols, and all samples were submitted to EMSL Analytical under a completed Chain of Custody.

Table 1: Chapel Hill School

Date	Location Description	Sample ID	Sample Location Code	First Draw Result ug/L (ppb)	Action Ug/L Ppb	Over Limit Yes/No
02/13/25	Hallway by Gym Office Bottle Filler	CHS-1	CHS-BF-HW Gym Office	ND	15	No
02/13/25	Cafeteria Bottle Filler	CHS-2	CHS-BF-Cafeteria	ND	15	No
02/13/25	Kitchen Sink	CHS-3	CHS-KO-Kitchen Sink	ND	15	No
02/13/25	Hallway by Room 110 Bottle Filler	CHS-4	CHS-BF-HW by 110	ND	15	No
02/13/25	Room 107 Bottle Filler	CHS-5	CHS-BF-107	ND	15	No
02/13/25	Hallway By Room 5B Bottle Filler	CHS-6	CHS-BF-HW by 5B	ND	15	No
02/13/25	Main Office Bottle Filler	CHS-7	CHS-BF-Main Office	ND	15	No
02/13/25	Hallway by Room 104	CHS-8	CHS-BF-HW by 104	ND	15	No
02/13/25	Room 102A Nurse Bottle Filler	CHS-9	CHS-BF-102A	ND	15	No
02/13/25	Room 102A Nurse Sink	CHS-10	CHS-MO-102A	ND	15	No
02/13/25	Room 102 Bottle Filler	CHS-11	CHS-BF-102A	ND	15	No
02/13/25	Hallway by Room 305 Bottle Filler	CHS-12	CHS-BF-HW by 305	ND	15	No
02/13/25	Room 307 Bottle Filler	CHS-13	CHS-BF-307	ND	15	No
02/13/25	Hallway by 207A Bottle Filler	CHS-14	CHS-BF-HW by 207	ND	15	No
02/13/25	Room 208 Bottle Filler	CHS-15	CHS-BF-208	ND	15	No
02/13/25	Field Blank	CHS-16	CHS-Blank	ND	15	No

3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26-12.4 Safe Drinking Water
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water."

Sixteen (16) first draw samples, including field blanks were collected while at each facility. All first draw samples were analyzed.

All samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8.

4.0 CONCLUSION

- Based on laboratory analysis of the samples analyzed, zero (0) samples exceeded the action limit.
- No remedial action is required.
- All lead results were below the 15 µg/L New Jersey Action Level.

APPENDIX 1

Chapel Hill School

LABORATORY ANALYSIS WATER SAMPLING RESULTS WITH CHAIN OF CUSTODY

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
 Telephone: 856-858-4800 Fax:cs@emsl.com
 EMSL-CIN-01

EMSL Order ID: 012511426
LIMS Reference ID: AD11426
EMSL Customer ID: AERO50

Attention: Michael Berta
 AERO Environmental Services, Inc [AERO50]
 275 Route 10 East, Suite 220-306
 Succasunna, NJ 07876
 (973) 920-9061
 mberta@aeroenvironmental.net

Project Name: DW Chapel Hill School
Customer PO:
EMSL Sales Rep: David Prince
Received: 03/03/2025 09:00
Reported: 03/17/2025 16:37

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: CHS-1/CHS-BF--HW Gym Office									
			Lims Reference ID:		AD11426-01	Matrix: Drinking Water		Sampled: 02/13/25 06:01:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 09:43	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-2/CHS-BF-Cafeteria									
			Lims Reference ID:		AD11426-02	Matrix: Drinking Water		Sampled: 02/13/25 06:03:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 09:48	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-3/CHS-KO-Kitchen Sink									
			Lims Reference ID:		AD11426-03	Matrix: Drinking Water		Sampled: 02/13/25 06:05:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 09:50	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-4/CHS-BF-HW by 110									
			Lims Reference ID:		AD11426-04	Matrix: Drinking Water		Sampled: 02/13/25 06:08:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 09:52	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-5/CHS-BF-107									
			Lims Reference ID:		AD11426-05	Matrix: Drinking Water		Sampled: 02/13/25 06:10:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 09:54	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-6/CHS-BF-HW by 5B									
			Lims Reference ID:		AD11426-06	Matrix: Drinking Water		Sampled: 02/13/25 06:12:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:00	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-7/CHS-BF-Main Office									
			Lims Reference ID:		AD11426-07	Matrix: Drinking Water		Sampled: 02/13/25 06:14:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:02	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-8/CHS-BF-HW by 104									
			Lims Reference ID:		AD11426-08	Matrix: Drinking Water		Sampled: 02/13/25 06:17:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:04	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-9/CHS-BF-102A									
			Lims Reference ID:		AD11426-09	Matrix: Drinking Water		Sampled: 02/13/25 06:19:00	
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:06	PL	EPA 200.8 (DA)/EPA 200.8

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Analytical Results (Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: CHS-10/CHS-MO-102A Lims Reference ID: AD11426-10 Matrix: Drinking Water Sampled: 02/13/25 06:20:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:07	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-11/CHS-BF-102A Lims Reference ID: AD11426-11 Matrix: Drinking Water Sampled: 02/13/25 06:22:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:09	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-12/CHS-BF-HW by 305 Lims Reference ID: AD11426-12 Matrix: Drinking Water Sampled: 02/13/25 06:25:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:15	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-13/CHS-BF-307 Lims Reference ID: AD11426-13 Matrix: Drinking Water Sampled: 02/13/25 06:27:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:17	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-14/CHS-BF-HW by 207 Lims Reference ID: AD11426-14 Matrix: Drinking Water Sampled: 02/13/25 06:32:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:23	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-15/CHS-BF-208 Lims Reference ID: AD11426-15 Matrix: Drinking Water Sampled: 02/13/25 06:35:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:25	PL	EPA 200.8 (DA)/EPA 200.8
Sample: CHS-16/CHS-Blank Lims Reference ID: AD11426-16 Matrix: Drinking Water Sampled: 02/13/25 06:35:00									
Metals									
Lead	ND		1	1.00	µg/L	03/06/25 14:06	03/11/25 10:27	PL	EPA 200.8 (DA)/EPA 200.8



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Received: 03/03/2025 09:00
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Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Lead	NJDEP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2025
NYSDOH	New York State Department of Health	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2025
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2025
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2026
California ELAP	California Water Boards	1877	06/30/2025
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	05/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2026

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.



EMSL Analytical, Inc.

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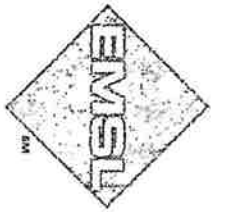
Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DA	Direct Analysis
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.



EMSL ANALYTICAL, INC.
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TYHA-9D9A-PYDQ

AD1426

Client Information
 AERO Environmental Services, Inc
 Succasunna, NJ
 AERO50

Project Overview
 Client: DW Chapel Hill School
 PO Number:
 Project Name:
 Project ID:
 Bill To:
 Report To Contact:
 Report To Email:
 Special Instructions:

Project Site
 Building Type: School or Day Care Center
 Address: 31 Chapel Hill Road
 City: Lincoln Park
 State: NJ
 Zip: 07035

Testing Laboratory
 Cinnaminson Chemistry
 Cinnaminson, NJ 08077

Lead Drinking Water

Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
1 CHS-1	CHS-BF-HW Gym Office	2/13/2025 6:01 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
2 CHS-2	CHS-BF-Cafeteria	2/13/2025 6:03 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
3 CHS-3	CHS-KO-Kitchen Sink	2/13/2025 6:05 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
4 CHS-4	CHS-BF-HW by 110	2/13/2025 6:08 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
5 CHS-5	CHS-BF-107	2/13/2025 6:10 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
6 CHS-6	CHS-BF-HW by 5B	2/13/2025 6:12 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
7 CHS-7	CHS-BF-Main Office	2/13/2025 6:14 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
8 CHS-8	CHS-BF-HW by 104	2/13/2025 6:17 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
9 CHS-9	CHS-BF-102A	2/13/2025 6:19 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
10 CHS-10	CHS-MC-102A	2/13/2025 6:20 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
11 CHS-11	CHS-BF-102A	2/13/2025 6:22 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
12 CHS-12	CHS-BF-HW by 305	2/13/2025 6:25 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
13 CHS-13	CHS-BF-307	2/13/2025 6:27 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
14 CHS-14	CHS-BF-HW by 207	2/13/2025 6:32 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
15 CHS-15	CHS-BF-208	2/13/2025 6:35 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

Reserved 3-1 10:25



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TYHA-9D9A-PYDQ

Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
CHS-16	CHS-Blank	2/19/2025 6:35 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

M Batts

M Batts

Sampled By / Date

2/17/2025 Relinquished By / Date

2/17/2025

Received (Lab) / Date

(WT) 2.28.25 @ 12:07 PM

OPC 2/25/25 8:40 PM
Shennely 3/03/25 0900

