

Written Program Indoor Air Quality Standard - PEOSH
Indoor Air Quality Survey & Testing for Sick Building Syndrome
Remediation/Cleanup of Mold & Moisture Problems in Schools & Commercial Buildings
Indoor Air Quality in Schools Awareness Training for Administrative/Maintenance Personnel
Asbestos Surveys and AHERA Management Plans
AHERA 2 Hour Awareness Training
"Non-Friable" Asbestos Final Air Clearance Sampling
Right to Know Survey, Compliance & PEOSHA Training
Written Hazard Communication Program (PEOSHA HCS)

RAMM Environmental Services, Inc.

Commitment, Excellence, Integrity

77 Nottingham Road, PO Box 308
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**LEAD IN DRINKING WATER ANALYSIS
FOR
MOUNTAINSIDE BOARD OF EDUCATION
DEERFIELD SCHOOL
MOUNTAINSIDE, NEW JERSEY
AUGUST 9, 2021**

**Prepared for:
Mountainside Board of Education
1497 Woodacres Drive
Mountainside, NJ 07092
Attn.: Mr. Wayne DeVico, C.E.F.M.
Supervisor of Maintenance and Custodial Services
Tel: (908) 232-3232**

**Prepared by:
RAMM Environmental Services, Inc.
77 Nottingham Road, PO Box 308
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Mr. Rodger Headrick
President
Tel: (201) 475-9880
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August 27, 2021

RAMM

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INTRODUCTION

RAMM Environmental Services, Inc. was requested by the Mountainside Board of Education to perform water sampling for lead content at the Deerfield School located in Mountainside, New Jersey.

Water quality sampling functions were performed by RAMM at the Deerfield School located in Mountainside, New Jersey on August 9, 2021, to determine the quality of drinking water for lead content. Water sampling began in the morning after all water outlets had remained unused for a minimum of eight (8) hours.

**WATER QUALITY MONITORING RESULTS
LEAD IN DRINKING WATER ANALYSIS**

Lead in drinking water sampling was performed during RAMM's August 9, 2021 site visit. The (E.P.A.) Environmental Protection Agency has established an enforceable lead concentration action level for public water supplies. The lead action level is 15 micrograms per liter (mg/L) = parts per billion (ppb), which is equivalent to 0.015 milligrams per liter (mg/L) = parts per million (ppm).

Deerfield School

Lead in drinking water measurements were collected in fifteen (15) locations of the building.

<i>Sample #</i>	<i>Location</i>	<i>Lead Concentration</i>
Field Blank	Field Blank	None Detected
21-0809-01	By Room 10 (Water Fountain)	5.45 ppb
21-0809-02	By Room 05 (Water Fountain)	None Detected
21-0809-03	By Room 03 (Water Fountain)	2.42 ppb
21-0809-04	By Room 17 Left (Water Fountain)	None Detected
21-0809-05	Faculty Room (Sink)	1.14 ppb
21-0809-06	By Main Office (Water Fountain)	3.73 ppb
21-0809-07	By Bathroom near Café (Water Fountain)	None Detected
21-0809-08	Cafeteria Left (Water Fountain)	1.24 ppb
21-0809-09	Cafeteria Right (Water Fountain)	None Detected
21-0809-10	Kitchen (Food Prep Sink)	3.06 ppb
21-0809-11	Kitchen (Ice Machine)	None Detected
21-0809-12	By Room 21 (Water Fountain)	None Detected
21-0809-13	By Staff Room (Water Fountain)	4.03 ppb
21-0809-14	Gym Left (Water Fountain)	None Detected
21-0809-15	Gym Right (Water Fountain)	None Detected

All results report less than the United States Environmental Protection Agency (U.S.E.P.A.) Guidelines and the New Jersey Department of Environmental Protection (N.J.D.E.P.) for safe drinking water (15 ppb). Currently the drinking water is safe and poses no health hazard to building occupants.

RAMM

RECOMMENDATIONS

Continue operation and maintenance as normal. Re-test all drinking water outlets during the 2024-2025 school year.



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 850-4571 Email: EnvChemistry2@amsl.com

Attn:

**Rodger Headrick
RAMM Environmental Services, Inc.
77 Nottingham Road
Fair Lawn, NJ 07410**

8/26/2021

Phone: (201) 475-9880

Fax: (201) 475-9881

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/10/2021. The results are tabulated on the attached data pages for the following client designated project:

Deerfield School, Mountainside, NJ / 21-0809

The reference number for these samples is EMSL Order #012109087. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
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<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012109087
 CustomerID: RAMM50
 CustomerPO:
 ProjectID:

Attn: **Rodger Headrick** Phone: (201) 475-9880
RAMM Environmental Services, Inc. Fax: (201) 475-9881
77 Nottingham Road Received: 8/10/2021 09:00 AM
Fair Lawn, NJ 07410

Project: **Deerfield School, Mountainside, NJ / 21-0809**

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
FB Field Blank		8/9/2021 7:45:00 AM	012109087-0001		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 18:44
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
01 Water Fountain by Room #10		8/9/2021 7:45:00 AM	012109087-0002		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	5.45	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 18:49
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
02 Fountain by Room #05		8/9/2021 7:50:00 AM	012109087-0003		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 18:50
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
03 Fountain by Room #03		8/9/2021 7:50:00 AM	012109087-0004		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	2.42	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 18:57
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
04 Fountain by Room #17 (Left)		8/9/2021 7:50:00 AM	012109087-0005		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 18:59

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 Received: 8/10/2021 09:00 AM

Project: **Deerfield School, Mountainside, NJ / 21-0809**

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
05 Faculty Room - Sink		8/9/2021 7:50:00 AM	012109087-0006		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	1.14	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:00
06 Fountain by Main Office		8/9/2021 7:50:00 AM	012109087-0007		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	3.73	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:01
07 Fountain by Bathroom near T. Café		8/9/2021 7:50:00 AM	012109087-0008		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:03
08 Fountain Cafeteria - Left		8/9/2021 7:50:00 AM	012109087-0009		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	1.24	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:04
09 Fountain Cafeteria - Right		8/9/2021 7:50:00 AM	012109087-0010		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:06

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Project: **Deerfield School, Mountainside, NJ / 21-0809**

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
10 Kitchen Food Prep		8/9/2021 7:50:00 AM	012109087-0011		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	3.06	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:07
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
11 Kitchen Ice Machine		8/9/2021 7:50:00 AM	012109087-0012		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:14
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
12 Fountain by Room #21		8/9/2021 7:50:00 AM	012109087-0013		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:16
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
13 Fountain by Room Staff		8/9/2021 7:50:00 AM	012109087-0014		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	4.03	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:17
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
14 Fountain Gym - Left		8/9/2021 7:50:00 AM	012109087-0015		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	8/25/2021 VD	8/25/2021 VD 19:18



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Received: 8/10/2021 09:00 AM

Project: **Deerfield School, Mountainside, NJ / 21-0809**

Analytical Results

Client Sample Description 15 **Collected:** 8/9/2021 **Lab ID:** 012109087-0016
Fountain Gym - Right 7:50:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	ND	1.00 µg/L	8/25/2021	VD	8/25/2021	VD
						19:20	

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