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 Fair Lawn, New Jersey 07410 Phone: (201) 475-9880 Fax: (201) 475-9881

LEAD IN DRINKING WATER ANALYSIS FOR MOUNTAINSIDE BOARD OF EDUCATION BEECHWOOD 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
Fair Lawn, NJ 07410
Mr. Rodger Headrick
President
Tel: (201) 475-9880
Fax: (201) 475-9881

August 27, 2021

REPORT CONTENTS

INTRODUCTION	1
WATER QUALITY MONITORING RESULTS	2
RECOMMENDATIONS	3
APPENDIX Lead in Drinking Water Certificate of Analysis	

INTRODUCTION

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

Water quality sampling functions were performed by RAMM at the Beechwood 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).

Beechwood School

Lead in drinking water measurements were collected in six (6) locations of the building.

Sample #	Location	Lead Concentration
Field Blank	Field Blank	None Detected
21-0809-01	Kitchen (Food Prep Sink)	None Detected
21-0809-02	Staff Lounge (Sink)	None Detected
21-0809-03	Gym Left (Water Fountain)	None Detected
21-0809-04	Gym Right (Water Fountain)	None Detected
21-0809-05	Nurse Room (Sink)	1.38 ppb
21-0809-06	By Room 113 Left (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.

RECOMMENDATIONS

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



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (866) 303-2500 Fax: (856) 858-4671 Email: EnvChemistry2@emsl.com

Attn:

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

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:

Beechwood School, Mountainside, NJ / 21-0809

The reference number for these samples is EMSL Order #012109081. 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:

8/26/2021

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.



200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 858-4571 Phone/Fax:

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order:

012109081 RAMM50

CustomerID: CustomerPO:

ProjectID:

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

Phone: Fax:

(201) 475-9880 (201) 475-9881

Received:

8/10/2021 09:00 AM

Project: Beechwood School, Mountainside, NJ / 21-0809

Analytical Posults

		Analytical R	tesults					
Client Sample Descript	ion FB Fleid Blank		Collected:	8/9/2021 3:30:00 AM	Lab	ID:	012109081-0	001
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 16:22	VD
Client Sample Descript	ion 01 Kitchen Food Prep		Collected:	8/9/2021 8:30:00 AM	Lab	ID:	012109081-0	002
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 16:24	VD
llent Sample Descript	tion 02 Staff Lounge - Sink	<u> </u>	Collected:	8/9/2021 8:45:00 AM		ID:	012109081-0	003
Method	Parameter	Result	RL Units		Prep Date & An		Analysi Date & Ana	
METALS 200.8	Lead	N D	1.00 µg/∟	œ	8/25/2021	VD	8/25/2021 16:28	VD
Client Sample Descript	tion 03 Fountain by Gym - Left		Collected:	8/9/2021 8:45:00 AM		ID:	012109081-0	0004
Method	Parameter	Result	RL Units		Prep Date & An		Analysi Date & An	
METALS 200.8	Lead	ND	1.00 µg/L		8/25/2021	VD	8/25/2021 16:30	VD
Client Sample Descript	tion 04 Fountain by Gym - Right		Collected:	8/9/2021 8:45:00 AM		D:	012109081-0	0005
Method	Parameter	Result	RL Units		Prep Date & Ar		Analysi Date & An	
METALS 200.8	Lead	ND	1.00 µg/L		8/25/2021	VD	8/25/2021 16:31	V D



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

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EnvChemistry2@emsl.com

EMSL Order:

012109081

CustomerID:

RAMM50

CustomerPO:

ProjectID:

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

Phone: Fax:

(201) 475-9880 (201) 475-9881

Received:

8/10/2021 09:00 AM

8/9/2021

8:45:00 AM

Project: Beechwood School, Mountainside, NJ / 21-0809

Analytical Results

Collected:

Lab ID:

012109081-0006

Nurse Room - Sink

Prep

Analysis

Method

Result

RL Units

Date & Analyst

Date & Analyst

METALS

200.8

Lead

Parameter

1.38

1.00 µg/L

8/25/2021

VD 8/25/2021 16:32

VD

Client Sample Description

Client Sample Description

Parameter

Collected:

8/9/2021

Lab ID:

012109081-0007

Fountain by Room #113 - Left

8:45:00 AM

Prep

Analysis

Method

Lead

Result

RL Units

Date & Analyst

Date & Analyst

METALS

200.8

ND 1.00 µg/L. 8/25/2021

8/25/2021 16:34

VD

afinitions:

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

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.

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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
Fair Lawn, NJ 07410
Mr. Rodger Headrick
President
Tel: (201) 475-9880
Fax: (201) 475-9881

August 27, 2021

REPORT CONTENTS

INTRODUCTION	1
WATER QUALITY MONITORING RESULTS	2
RECOMMENDATIONS	3
APPENDIX Lead in Drinking Water Certificate of Analysis	

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.

Sample #	Location	Lead Concentration
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.

RECOMMENDATIONS

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



200 Route 130 North, Cinnaminson, NJ 08077

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

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.

8/26/2021



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http://www.EMSL.com

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EMSL Order:

012109087 RAMM50

CustomerID: CustomerPO:

ProjectID:

ttn: Rodger Headrick

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

Phone: Fax:

(201) 475-9880 (201) 475-9881

Received:

8/10/2021 09:00 AM

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

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



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EMSL Order:

012109087 RAMM50

CustomerID:

CustomerPO:

ProjectID:

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

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

Phone: Fax:

(201) 475-9880 (201) 475-9881

Received:

8/10/2021 09:00 AM

Analytical Results

8/9/2021 012109087-0006 Collected: Lab ID: Client Sample Description 7:50:00 AM Faculty Room - Sink Prep Analysis Date & Analyst Date & Analyst **RL Units** Parameter 1 4 1 Result Method **METALS** 8/25/2021 VD 1.14 1.00 µg/L 8/25/2021 VD Lead 200.8 19:00 8/9/2021 Lab ID: 012109087-0007 Collected: **Client Sample Description** 7:50:00 AM Fountain by Main Office Prep Analysis Date & Analyst Date & Analyst Result **RL Units** Method Parameter **METALS** 3.73 1.00 µg/L 8/25/2021 VD 8/25/2021 VD 200.8 Lead 19:01 Lab ID: 012109087-0008 Client Sample Description 8/9/2021 07 Collected: 7:50:00 AM Fountain by Bathroom near T. Café Analysis Prep Parameter Result **RL Units** Date & Analyst Date & Analyst Method METALS ND 1.00 µg/L 8/25/2021 **VD** 8/25/2021 VD 200.8 Lead 19:03 8/9/2021 012109087-0009 Collected: Lab ID: Client Sample Description 7:50:00 AM Fountain Cafeteria - Left **Analysis** Prep **RL Units** Date & Analyst Date & Analyst Parameter Result Method **METALS** 8/25/2021 VD 8/25/2021 VD 1.00 µg/L 1.24 200.8 Lead 19:04 012109087-0010 Client Sample Description 09 Collected: 8/9/2021 Lab ID: 7:50:00 AM Fountain Cafeteria - Right Analysis Prep Result **RL Units** Date & Analyst Date & Analyst **Parameter** Method **METALS** 8/25/2021 8/25/2021 VD ND 1.00 µg/L 200.8 Lead 19:06



200 Route 130 North, Cirnaminson, NJ 08077

EnvChemistry2@emsl.com EMSL Order:

012109087 RAMM50

CustomerID: CustomerPO:

ProjectID:

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

Phone: Fax:

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Received:

8/10/2021 09:00 AM

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

Analytical Results

Client Sample Descri	iption 10		Collected:	8/9/2021	Lab	ID:	012109087-0	011
	Kitchen Food Prep			7:50:00 AM				
Method	Parameter	Result	RL Units		Prep Date & An	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	3.06	1.00 µg/L		8/25/2021	VD	8/25/2021 19:07	VD
Client Sample Descr	ription 11 Kitchen ice Machine		Collected:	8/9/2021 7:50:00 AM	L.ab	ID:	012109087-0	012
Method	Parameter	Result	RL Units	1	Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	ND	1.00 µg/L		8/25/2021	VD	8/25/2021 19:14	VD
Client Sample Descr	ription 12 Fountain by Room #21		Collected:	8/9/2021 7:50:00 AM	Lab	ID:	012109087-0	013
Method	Parameter Parameter	Result	RL Units	1	Prep Date & An		Analysi Date & Ana	
METALS								
200.8	Lead	ND	1.00 µg/L		8/25/2021	VĐ	8/25/2021 19:16	VD
Client Sample Descr	ription 13 Fountain by Room Staff		Collected:	8/9/2021 7:50:00 AM		iD:	012109087-0	014
Method	Parameter	Result	RL Units	,	Prep Date & Analyst		Analysi Date & Ana	
METALS								
200.8	Lead	4.03	1.00 µg/L		8/25/2021	VD	8/25/2021 19:17	VD
Client Sample Descr	ription 14 Fountain Gym - Left		Collected:	8/9/2021 7:50:00 AM		ID:	012109087-0	015
Method	Parameter	Result	RL Units	;	Prep Date & An		Analysi Date & An	
METALS								
200.8	Lead	ND	1.00 µg/L		8/25/2021	VD	8/25/2021 19:18	VD



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

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EMSL Order:

012109087

CustomerID: CustomerPO: RAMM50

ProjectiD:

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

Phone: Fax:

(201) 475-9880 (201) 475-9881

Received:

8/10/2021 09:00 AM

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

Analytical Results

Client Sample Description

Parameter

Fountain Gym - Right

Collected:

Lab ID:

VD

012109087-0016

VD

8/9/2021 7:50:00 AM

Prep Analysis Date & Analyst

Method **METALS**

200.8 Lead Result

ND

RL Units

1.00 µg/L

8/25/2021

Date & Analyst

8/25/2021

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