

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
SADDLE BROOK BOARD OF EDUCATION
WASHINGTON SCHOOL AND FRANKLIN SCHOOL
SADDLE BROOK, NEW JERSEY
APRIL 7, 2016 AND APRIL 8, 2016**

Prepared for:
Saddle Brook Township Board of Education
355 Mayhill Street
Saddle Brook, NJ 07663
Attn.: Mr. Keith Siroky
Facilities Manager
Tel: (201) 697-4400
Fax: (201) 843-0216
Cell: (201) 494-6320

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

May 2, 2016

Written Program Indoor Air Quality Standard - PEOSH
Indoor Air Quality Survey & Testing for Sick Building Syndrome
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May 2, 2016

Saddle Brook Township Board of Education
355 Mayhill Street
Saddle Brook, NJ 07663
Attn.: Mr. Keith Siroky
Facilities Manager

**Re: Lead in Drinking Water Analysis at Washington School and Franklin School
– Saddle Brook, New Jersey**

Dear Keith:

Pursuant to your request, in regards to the above referenced subject, **RAMM Environmental Services, Inc.** is pleased to submit to you our report including findings, analysis and recommendations.

Should you have any questions or need additional information, please feel free to call upon me at (201) 475-9880. Thank you very much.

Respectfully submitted,
RAMM Environmental Services, Inc.



Rodger Headrick, CMRS
President

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INTRODUCTION

RAMM Environmental Services, Inc. was requested by the Saddle Brook Board of Education to perform water sampling for lead content in the Washington School and Franklin School located in Saddle Brook, New Jersey.

Water quality sampling functions were performed by RAMM at the Washington School and Franklin School located in Saddle Brook, New Jersey on April 7, 2016 and April 8, 2016, to determine the quality of drinking water for lead content.

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

Lead in drinking water sampling was performed during RAMM's April 7, 2016 and April 8, 2016 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).

Washington School

Lead in drinking water measurements were collected in three (3) different locations of the building.

<i>Sample #</i>	<i>Location</i>	<i>Lead Concentration</i>
16-0407-01	Inside Gym	18.4 ppb
16-0407-02	1 st Floor Hallway Across Room 05	3.46 ppb
16-0407-03	2 nd Floor Hallway Across Room 01	31.4 ppb

Franklin School

Lead in drinking water measurements were collected in twelve (12) different locations of the building.

<i>Sample #</i>	<i>Location</i>	<i>Lead Concentration</i>
16-0408-01	Hallway Adjacent Gym	4.01 ppb
16-0408-02	Room 11	14.6 ppb
16-0408-03	Room 12	277 ppb
16-0408-04	Hallway Adjacent Room 04	<3.0 ppb
16-0408-05	Hallway Adjacent Room 01	<3.0 ppb
16-0408-06	Inside Cafeteria	<3.0 ppb
16-0408-07	Room 203	<3.0 ppb
16-0408-08	Room 204	<3.0 ppb
16-0408-09	Room 201	<3.0 ppb
16-0408-10	Room 200	<3.0 ppb
16-0408-11	Room 202	<3.0 ppb
16-0408-12	Hallway Adjacent Room 06	<3.0 ppb

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, with the exception of drinking water fountain at the following locations:

Washington School – Inside Gym and 2nd Floor Hallway across Room 01

Franklin School – Room 11 and Room 12

RECOMMENDATIONS

All Problem Areas: Turn off water to fountains. Hire plumber to remove all lead containing welding solder from copper water pipes, flush. Upon completion of work operate follow-up Lead in Drinking Water Sampling and Analysis.

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only)

201603824

PHONE
FAX

Company: <u>RAMM ENVIRONMENTAL</u>		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: <u>77 NOTTINGHAM ROAD, PO BOX 308</u>		Third Party Billing requires written authorization from third party	
City: <u>FAIR LAWN</u>	State/Province: <u>N.J.</u>	Zip/Postal Code: <u>07410</u>	Country: <u>USA</u>
Report To (Name): <u>RODGER HEADRICK</u>		Telephone #: <u>201 475-9880</u>	
Email Address: <u>RAMM_ENVIRONMENTAL@GMAIL.COM</u>		Fax #: <u>201 475-9881</u>	Purchase Order: <u>N/A</u>
Project Name/Number: <u>16-0407</u>		Please Provide Results: <input checked="" type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: <u>Saddle Brook, NJ</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	1.0 µg/wipe
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input checked="" type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: <u>Mike Vinn</u>		Signature of Sampler: <u>Mike Vinn</u>	
Sample #	Location	Volume/Area	Date/Time Sampled
16-0407-01	Inlet to the 6 ft	Lead in drinking water	4/10/16 7:50
16-0407-02	1st 12. Volting / across	- 1 L	- 1 L 7:52
16-0407-03	2nd 12. Volting / across	- 1 L	- 1 L 8:00
Client Sample #'s: <u>01 - 03</u>		Total # of Samples: <u>03</u>	
Relinquished (Client): <u>Mike Vinn</u>	Date: <u>4/10/16</u>	Time: <u>11:30am</u>	
Received (Lab): <u>Chitoni</u>	Date: <u>4/12/16</u>	Time: <u>9am</u>	<u>Counter</u>
Comments: <u>"FIRST DRAW"</u> <u>ph arrived < 2 820am 4/12/16-01</u>			

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 201603824
CustomerID: RAMM50
CustomerPO:
ProjectID:

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

Phone: (201) 475-9880
Fax: (201) 475-9881
Received: 04/12/16 9:00 AM
Collected: 4/7/2016

Project: 16-0407 / Washington School Saddle Brook, NJ

Test Report: Lead in Water by Furnace AAS (EPA 200.9)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
16-0407-01	201603824-0001	4/7/2016	4/28/2016	18.4 ppb
Site: Inside The Gym				
16-0407-02	201603824-0002	4/7/2016	4/28/2016	3.46 ppb
Site: 1st Floor Hallway Across Room #05				
16-0407-03	201603824-0003	4/7/2016	4/28/2016	31.4 ppb
Site: 2nd Floor Room Hallway Across #01				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP unless otherwise noted. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NJ-NELAP 03036

Initial report from 04/29/2016 19:24:59

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201603823

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (856) 303-2500
FAX: (856) 786-5974

Company: <u>Longwood Senior Center</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>77 Northampton Road</u>		Third Party Billing requires written authorization from third party	
City: <u>Fair Lawn</u>	State/Province: <u>NJ</u>	Zip/Postal Code: <u>07410</u>	Country:
Report To (Name): <u>Mr. Lodgea Hendrix</u>	Telephone #: <u>201-475-8880</u>		Country:
Telephone #: _____	Email Address: _____	Fax #: <u>201-475-8881</u>	Purchase Order: _____
Project Name/Number: <u>Franklin School Saddle Brook NJ</u>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken: <u>16-0408</u>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
*If no box is checked, non-ASTM Wipe is assumed	SW846-6010B or C	ICP-AES	0.5 µg/wipe
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.020 mg/L (ppm)
Drinking Water <input checked="" type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
Other: _____		Preservation Method (Water): _____	
Name of Sampler: <u>Mr. V. V.</u>		Signature of Sampler: <u>Mr. V. V.</u>	
Sample #	Location	Volume/Area	Date/Time Sampled
16-0408-01	Hallway (By the Gym)	Lead in Jarring area	04/08/16 12:03
216-0408-02	Room # 11	- 1 L	- 1 L 12:05
316-0408-03	Room # 12	- 1 L	- 1 L 12:07
116-0408-04	Hallway (By room # 04)	- 1 L	- 1 L 12:08
116-0408-05	Hallway (By room # 01)	- 1 L	- 1 L 12:11
516-0408-06	Inside the Cafeteria	- 1 L	- 1 L 12:14
Client Sample #'s: <u>01 - 12</u>		Total # of Samples: <u>12</u>	
Relinquished (Client): <u>Mr. V. V.</u>	Date: <u>04/09/16</u>	Time: <u>12:30</u>	
Received (Lab): <u>Chub MK</u>	Date: <u>4/12/16</u>	Time: <u>9am</u>	<u>counter</u>
Comments: <u>ph arrived at 8:05 4/12/16 - all OK ✓ 4/11/16 1:55pm</u>			

EMSL ORDER ID (Lab Use Only):

 F_{α} [illegible]

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 201603823

CustomerID: RAMM50

CustomerPO:

ProjectID:

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

Phone: (201) 475-9880
Fax: (201) 475-9881
Received: 04/12/16 9:00 AM
Collected: 4/8/2016

Project: 16-0408 / Franklin School Saddle Brook, NJ

Test Report: Lead in Water by Furnace AAS (EPA 200.9)

Client Sample Description	Lab ID	Collected	Analyzed	Lead Concentration
16-0408-01	201603823-0001	4/8/2016	4/28/2016	4.01 ppb
Site: Hallway By The Gym				
16-0408-02	201603823-0002	4/8/2016	4/28/2016	14.6 ppb
Site: Room #11				
16-0408-03	201603823-0003	4/8/2016	4/29/2016	277 ppb
Site: Room #12				
16-0408-04	201603823-0004	4/8/2016	4/28/2016	<3.00 ppb
Site: Hallway By Room #04				
16-0408-05	201603823-0005	4/8/2016	4/28/2016	<3.00 ppb
Site: Hallway By Room #01				
16-0408-06	201603823-0006	4/8/2016	4/28/2016	<3.00 ppb
Site: Inside The Cafeteria				
16-0408-07	201603823-0007	4/8/2016	4/28/2016	<3.00 ppb
Site: Room #203				
16-0408-08	201603823-0008	4/8/2016	4/28/2016	<3.00 ppb
Site: Room #204				
16-0408-09	201603823-0009	4/8/2016	4/28/2016	<3.00 ppb
Site: Room #201				
16-0408-10	201603823-0010	4/8/2016	4/28/2016	<3.00 ppb
Site: Room #200				
16-0408-11	201603823-0011	4/8/2016	4/28/2016	<3.00 ppb
Site: Room #202				
16-0408-12	201603823-0012	4/8/2016	4/28/2016	<3.00 ppb
Site: Hallway By Room #06				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP unless otherwise noted. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NJ-NELAP 03036

Initial report from 04/29/2016 19:23:45