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
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

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

fh

RAMM

REPORT CONTENTS

INTRODUCTION	1
WATER QUALITY MONITORING RESULTS	2
RECOMMENDATIONS	4
APPENDIX Lead in Drinking Water Certificate of Analysis	

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.

Sample #	Location	Lead Concentration
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.

Sample #	Location	Lead Concentration
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

RAMM

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

RAMM

RECOMMENDATIONS

<u>All Problem Areas</u>: 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.

OrderID: 201603824

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

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PHOME FAX

Company: RAMM ENVIRONMENTAL Street: 77 NOTTINGHAM ROOD POBOX 308 City: FAIR LAWN State/Province: NJ. 2		EMSL-Bill to: Different Same If Bill to is Different note instructions in Comment." Third Party Billing requires written authorization from third party					
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		Report To (Name): RODGER HE	ADRICK	Telephon	11475-98	75-5	1880
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	NIOSH 7105	or the second of the second second	Graphite Furn	ece AA	0.03 L	ıg/filter	
	NIOSH 7300 mod	Med	ICP-AES/IC	P-MS		g/filter	
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non ASTM	SW846-6010B o	v C	ICP-AE	5	1.0 µ	g/wipe	
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TCLP	SW846-1311/7000B/S		Flame Atomic A			/L (ppm)	Ħ
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	SW848-7010	**************************************	Graphite Furn	······································		kg (ppm)	
	SW846-6010B o	v C	ICP-AE	3	2 mg/k	g (ppm)	
Wastewater Unpreserved	SM3111B/SW846-	70008	Flame Atomic A			/L (ppm)	$\square \square$
Preserved with HNO ₃ pH < 2	EPA 200.9	and communication of the second of the second	Graphite Furn			g/L (ppm)	
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Drinking Water Unpreserved	EPA 200.9		Graphite Furn	distante communication and the	A THE RESERVE OF THE PERSON OF	g/L (ppm)	-4
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Page 1 of ____ pages

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EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 786-5974

http://www.EMSL.com

cinnaminsonleadiab@emsl.com

EMSL Order: CustomerID:

201603824

RAMM50

RA

CustomerPO: ProjectID:

Rodger Headrick RAMM Environmental Services, Inc. 77 Nottingham Road Fair Lawn, NJ 07410 Phone: Fax: (201) 475-9880

Received:

(201) 475-9881 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)

Client Sample Descri	iption Lab ID	Collected	Analyzed	Lead Concentration
16-0407-01	201603824-0001	1 4/7/2016	4/28/2016	18.4 ppb
	Site: Inside The	: Gym		
16-0407-02	201603824-0002	2 4/7/2016	4/28/2016	3.46 ppb
	Site: 1st Floor F	Hallway Acro	ss Room #05	
16-0407-03	201603824-0003	3 4/7/2016	4/28/2016	31.4 ppb
	Site: 2nd Floor	Room Hallwa	y Across #01	

Phillip Worby, Lead Laboratory Manager or other approved signatory

The test results contained within this report meet the requirements of NELAC 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

OrderID: 201603823



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

201403823

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

FAX: (856) 786-5974

Company: LAMAN ENON (B)	W/64		Same Different instructions in Comments**
Street: TNOTONPAR LOT	1" "	Third Darby Billing requires we	ritten authorization from third party
City: FA A VAN	State/Province: N7	Zip/Postal Code:	Country:
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Telephone #: Email Address:	V	Fax # 20/1475-188	Purchase Order:
Project Name/Number: TRANICIAL SCA	LOVY STUDIE BLOOK PUT	Please Provide Results:	Fax Email
U.S. State Samples Taken: 16-C	408		Commercial Residential
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	n accordance with EMSL's Terms		Reporting Limit Check
Matrix	Method	Instrument	Reporting Little Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%
Aîr	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* ☐ ASTM	SW846-7000B/7420	Flame Atomic Absorption	10 μg/wipe
☐ non ASTM *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	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
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Page 1 of ____ pages

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Comm	ents/Special Instructions:			

Page _____ of ____ pages

2



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: CustomerID:

201603823

RAMM50

CustomerPO: ProjectID:

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

Phone: Fax:

(201) 475-9880 (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 Desc	ription Lab ID (Collected Analy	Lead Concentration
16-0408-01	201603823-0001 4		
	Site: Hallway By 7	The Gym	
16-0408-02	201603823-0002 4	4/8/2016 4/28/2	2016 14.6 ppb
	Site: Room #11		·
16-0408-03	201603823-0003 4	4/8/2016 4/29/2	2016 277 ppb
	Site: Room #12		
16-0408-04	201603823-0004 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Hallway By F	Room #04	
16-0408-05	201603823-0005 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Hallway By F	Room #01	
16-0408-06	201603823-0006 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Inside The C	afeteria	
16-0408-07	201603823-0007 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Room #203		
16-0408-08	201603823-0008 4	4/8/2016 4/28/2	2016 <3.00 ppb
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	Site: Room #201		
16-0408-10	201603823-0010 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Room #200		
16-0408-11	201603823-0011 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Room #202		
16-0408-12	201603823-0012 4	4/8/2016 4/28/2	2016 <3.00 ppb
	Site: Hallway By F	Room #06	

Phillip Worby, Lead Laboratory Manager or other approved signatory

The test results contained within this report meet the requirements of NELAC 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