



April 28, 2019

Mr. Lawrence Lore
Director of Facilities
South Harrison Township Board of Education
904 Mullica Hill Road, PO Box 112
Harrisonville, NJ 08039

RE: Synthetic Floor Sampling
South Harrison Township Elementary School – All Purpose Room
Epic Project Number: 19-2100

Dear Mr. Lore:

Epic Environmental Services, LLC collected two samples of the synthetic rubberized floor from the South Harrison Township Elementary School All Purpose Room to assess the flooring for the presence of mercury. Mercury compounds, specifically **phenyl mercuric acetate**, had been used in certain types of rubberized synthetic floors as part of the installation process.

Two representative full thickness bulk samples of the flooring were collected on April 17, 2019 and submitted to EMSL Analytical, Inc. for EPA Method 7471B analysis. Sampling procedures and analysis were performed in accordance with the "Mercury Hazard in Schools from Rubber-like Polyurethane Floors - Health and Safety Guide". Any flooring material containing more than 1 milligram per kilogram (mg/Kg) is to be classified mercury-containing.

Mercury **was** detected in the samples above the 1 mg/Kg criteria. A summary of the analytical results is found below:

<u>Sample Location</u>	<u>Mercury Concentration</u>	<u>Method Detection Limit</u>
APR by Exit	200 mg/KG	12 mg/Kg
APR by Stage	75 mg/KG	7.4 mg/Kg

The flooring in the South Harrison Township Elementary School All Purpose Room is to be classified mercury-containing. It is recommended that air sampling be performed in accordance with the "Mercury Hazard in Schools from Rubber-like Polyurethane Floors - Health and Safety Guide" to evaluate airborne mercury vapor concentrations in the area.

All analytical documentation is attached.

Please do not hesitate to contact me at 856-205-1077 should you have any questions.

The invoice for the completed project is attached.

Regards,

James Eberts
President

HEALTH

Epic Environmental Services, LLC
Tele: 856.205.1077

SAFETY

1930 Brown Road
www.epicenviro.com

ENVIRONMENT

Newfield, New Jersey 08344
Fax: 856.205.0413



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

**James Eberts
Epic Environmental Services, LLC
1930 Brown Road
Newfield, NJ 08344**

4/25/2019

Phone: (856) 205-1077
Fax: (856) 205-0413

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/18/2019. The results are tabulated on the attached data pages for the following client designated project:

South Harrison Twp BOE-APR

The reference number for these samples is EMSL Order #011904443. 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

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>EnvChemistry2@emsl.com

EMSL Order: 011904443

CustomerID: EPIC62

CustomerPO: 19-2100

ProjectID:

Attn: **James Eberts**
Epic Environmental Services, LLC
1930 Brown Road
Newfield, NJ 08344

Phone: (856) 205-1077
Fax: (856) 205-0413
Received: 04/18/19 9:00 AM

Project: South Harrison Twp BOE-APR

Analytical Results

Client Sample Description	SHS-01 APR by Exit	Collected:	4/17/2019 9:20:00 AM	Lab ID:	011904443-0001
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Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
METALS								
7471B	Mercury	200		12 mg/Kg	4/24/2019	PV	4/24/2019	PV

Client Sample Description	SHS-02 APR by Stage	Collected:	4/17/2019 9:25:00 AM	Lab ID:	011904443-0002
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Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
METALS								
7471B	Mercury	75		7.4 mg/Kg	4/24/2019	PV	4/24/2019	PV

Definitions:

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution

Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

01190443

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974



EMBL ANALYTICAL, INC.,
LABORATORY PRODUCTS TRAINING

EMSL ANALYTICAL, INC.,
LABORATORY PRODUCTS • TRAINING

Report To Contact Name: James Eberts				Bill To Company: Epic Environmental Services, LLC							
Company Name: Epic Environmental Services, LLC				Attention To: James Eberts							
Street: 1930 Brown Road				Street: 1930 Brown Road							
City: Newfield		State/Province: NJ		City: Newfield		State/Province: NJ					
Phone : 856-205-1077		Fax : 856-205-0413		Phone: 856-205-1077		Fax: 856-205-0413					
Project Name: South Harrison Twp BOE - APR				Purchase Order: 19-2100							
U.S. State where Samples Collected: NJ				Date of Shipment: 4/17/2019							
Sample for Compliance? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, NPDES? <input type="checkbox"/> Other (Specify):											
Samples Collected by: EMSL <input type="checkbox"/> Client <input checked="" type="checkbox"/> check one				Samples Received Chilled (Y/N)							
Standard Turnaround Time: <input type="checkbox"/> 2 Weeks				The following TATs are subject to lab approval: <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day							
Failure to complete will hinder processing of samples				List Test(s) Needed							
Client Sample ID	Comp	Grab	Collect Date/Time	Matrix	Preservative	Total Mercury EPA 7471B	Field pH	Field pH	Field Temp.	Field Temp.	Comments
SHS-01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4/17/19 0920	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	X					APR by Exit
SHS-02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4/17/19 0925		NONE	X					APR by Stage
	<input type="checkbox"/>	<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>									
Released By (Signature) <i>James R. Eberts</i>				Date & Time		Received By <i>WJ</i>		Date & Time			
				4/17/19				4.17.19 8:45			
						<i>WJ</i>		4/18 am			
Please indicate reporting requirements: <input checked="" type="checkbox"/> Results Only <input type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other											
Instructions or Comments:											

Note: Field pH and Field Temperature are tested on the same day as the date of sample collection.

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((Lab) Received Temperature: 79 °C

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