



June 27, 2019

Adam Nasr, CFM, CEFM, SFP, LEED GA  
Supervisor of Operations & Maintenance  
Matawan-Aberdeen Regional School District  
1 Crest Way  
Aberdeen, New Jersey 07747

Re: Summary Report  
Bulk Sampling and Analysis  
Rubberized Gym Flooring

Facility: Matawan-Aberdeen Middle School  
469 Matawan Avenue  
Cliffwood, New Jersey

EC Project #: 19225-01

Environmental Connection, Inc., (EC) was contracted by the Matawan-Aberdeen Regional School District to collect and provide laboratory analysis of mercury samples from the rubberized gym floor at the Matawan-Aberdeen Middle School, located 469 Matawan Avenue in Cliffwood, New Jersey. Sampling was completed on June 4, 2019, after School hours.

Two (2) full-thickness samples of the floor were collected, and transported in containers to the analytical laboratory, EMSL Analytical, Inc., in Cinnaminson, New Jersey. Analysis was completed in accordance with United States Environmental Protection Agency (USEPA) Method 7471B.

Results of analysis are summarized in Table 1 below. Please note that the measurement of milligrams per kilogram (mg/kg) converts to ppm at a ratio of 1:1.

<b>TABLE 1 – RESULTS OF ANALYSIS, MERCURY TESTING OF RUBBERIZED GYMNASIUM FLOOR, MATAWAN-ABERDEEN MIDDLE SCHOOL</b>		
Sample Location	Parameter	Results of Analysis Sample (mg/kg)
Gymnasium Floor, East Side	Mercury in Semi-Solid or Solid Waste	150
Gymnasium Floor, West Side	Mercury in Semi-Solid or Solid Waste	38

The results of analysis indicated the presence of mercury in the gym floor. Based on these results, EC recommends that the Matawan-Aberdeen Regional School District implement an air and surface sampling program for mercury to include:

- Airborne mercury vapor testing of the Gymnasium and adjoining spaces
- Surface testing of horizontal surfaces in the Gymnasium, such as bleachers, mats, etc.



The results of the air and surface testing shall provide the basis for recommendations regarding whether remediation and/or operations and maintenance actions are necessary.

Should you have any questions or require additional information, please contact the undersigned at your convenience.

Respectfully Submitted:  
ENVIRONMENTAL CONNECTION, INC.

A handwritten signature in blue ink, appearing to read 'Roland C. Jones'.

Roland C. Jones, CIH  
Vice President

Attachment 1: Analytical Report and Chain of Custody for Mercury Testing of Gymnasium Flooring

**ATTACHMENT I**

**Analytical Report and Chain of Custody for Mercury Testing of Gymnasium Flooring**



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

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

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Attn:

**Rollie Jones**  
**Environmental Connection, Inc.**  
**120 North Warren Street**  
**Trenton, NJ 08608**

6/21/2019

Phone: (609) 392-4200  
Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/10/2019. The results are tabulated on the attached data pages for the following client designated project:

**19225-01**

The reference number for these samples is EMSL Order #011907089. 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:

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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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011907089

CustomerID: ENVI65

CustomerPO:

ProjectID:

Attn: **Rollie Jones**  
**Environmental Connection, Inc.**  
**120 North Warren Street**  
**Trenton, NJ 08608**

Phone: (609) 392-4200  
 Fax:  
 Received: 06/10/19 9:00 AM

Project: 19225-01

**Analytical Results**

**Client Sample Description** 01RJ060419 **Collected:** 6/4/2019 **Lab ID:** 011907089-0001  
 East side gym 4:00:00 PM

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
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**METALS**

7471B	Mercury	150		9.1 mg/Kg	6/20/2019 PV	06/20/19 0:00 PV
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**Client Sample Description** 02RJ060419 **Collected:** 6/4/2019 **Lab ID:** 011907089-0002  
 West side gym 4:15:00 PM

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
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**METALS**

7471B	Mercury	38		3.3 mg/Kg	6/20/2019 PV	06/20/19 0:00 PV
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**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

EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING



Environmental Chemistry  
Chain of Custody  
EMSL Order Number (Lab Use Only):  
011907089

PHONE:  
FAX:

Report To Contact Name: Rollic Jones		Bill To Company:								
Company Name: Environmental Connection, Inc.		Attention To:								
Street: 120 N Warren Street		Street:								
City: Trenton	State/Province: NJ	Zip/Postal Code: 08608	City:							
Phone: 6093924200	Fax:	Zip/Postal Code: 08608	State/Province:							
Project Name: 19225-01		Email Results To: rjones@vthq.com								
U.S. State where Samples Collected: NJ		Number of Samples in Shipment:								
Sample for Compliance? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, NPDES? <input type="checkbox"/> Other (Specify):		PWS ID #:								
Samples Collected by: EMSL <input type="checkbox"/> Client <input type="checkbox"/> check one		State Reporting Required? (Y/N)								
Standard Turnaround Time: <input type="checkbox"/> 2 Weeks		Samples Received Chilled? (Y/N)								
Failure to complete will hinder processing of samples		The following TATs are subject to lab approval: <input type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day								
Client Sample ID	Comp	Collect Date/Time	Matrix	Preservative	List Tests(s) Needed	Field pH	Field pH Test Time	Field Temp. Deg C	Field Temp. Test Time	Comments
	Grab									
01R3060419	<input checked="" type="checkbox"/>	6/4/19 1600	O-Bulk	4		Mercury 7417B				East S. de Gym
02R3060419	<input checked="" type="checkbox"/>	6/4/19 1618	O-Bulk	4		Mercury 7417B				West Side Gym
	<input type="checkbox"/>					Mercury 7417B				
	<input type="checkbox"/>					Mercury 7417B				
	<input type="checkbox"/>					Mercury 7417B				
Released By (Signature)		Date & Time		Received By		Date & Time				
<i>Roo J</i>		6/7/2019		<i>WJF</i>		6-7-19 5:25				
						6/10 pm				

Please indicate reporting requirements:  Results Only  Results and QC  Reduced Deliverables  Disk Deliverable  Other

Instructions or Comments:

Note: Field pH and Field Temperature are tested on the same day as the date of sample collection. (Lab) Received Temperature: 21 °C