



August 19, 2019

Mr. Samuel W. Teague
Facilities Manager
Delsea Regional High School District
Fries Mill Road
Franklinville, NJ 08322

**RE: Mercury Vapor Air Sampling – “Worst Case Scenario”
Delsea High School Weight Room
Epic Project Numbers: 19-2150**

Dear Mr. Teague:

Epic Environmental Services, LLC collected a total of three air samples plus two blanks on August 8, 2019 in the Delsea High School to assess mercury vapor concentrations in the Weight Room and adjacent area (Gymnasium). Sample collection was performed in accordance with the “Mercury Hazard in Schools from Rubber-like Polyurethane Floors - Health and Safety Guide” for “Worst Case Scenario” evaluation. The ventilation was not operating for a period of eight hours before and during sampling. Temperatures in the sampling area were allowed to rise along with the outdoor temperatures. Maximum outdoor temperatures during sampling were in the mid 80°s F. These conditions represent a scenario where maximum levels of mercury vapor are expected to be generated from the rubberized flooring.

Samples were collected for a period of six hours. The Weight Room was unoccupied while samples were being collected.

Sample were analyzed by EMSL analytical, Inc. using NIOSH Method 6009 for total mercury. Results were compared to the New Jersey Department of Health action limit criteria of 0.8 $\mu\text{g}/\text{m}^3$.

No mercury vapors were detected above the method detection limit in any sample. At this time, no corrective measures or actions are recommended. Based on these sample results and the results of the first round of sampling performed in April, no restrictions on occupancy are recommended.

It is recommended that annual sampling of the All Purpose Room be performed in order to document long term mercury exposure concentrations.

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

The invoice for the project is attached.

Regards,

James Eberts
President

Michael Menz, CIH, CHMM
Certified Industrial Hygienist
Certification Number 10718

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

Sampling Summary

Mercury Vapor – NIOSH Method 6009

August 8, 2019

<u>Sample Location</u>	<u>Result</u>	<u>Notes / Conditions</u>
Weight Room Front Side of Building	< 0.14 µg/m ³	Sample Collected 5.0' above floor Temp 74° - 81° F over sampling time Ventilation NOT OPERATING Not Occupied Sample time 8:45 am – 2:45 pm
Weight Room by Gym Entrance	< 0.14 µg/m ³	Sample Collected 5.0' above floor Temp 74° - 81° F over sampling time Ventilation NOT OPERATING Not Occupied Sample time 8:45 am – 2:45 pm
Gym near Weight Room Entrance	< 0.14 µg/m ³	Sample Collected 5.0' above floor Temp 74° - 81° F over sampling time Ventilation NOT OPERATING Not Occupied Sample time 8:45 am – 2:45 pm
Field Blank 1	“NONE DETECTED”	
Field Blank 2	“NONE DETECTED”	
Outside Temperature	Maximum 86° F	

HEALTH

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EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

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

8/15/2019

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

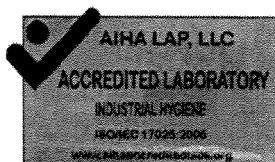
The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/9/2019. The results are tabulated on the attached data pages for the following client designated project:

Delsea Regional High School WR Worst Case

The reference number for these samples is EMSL Order #011909861. 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



AIHA-LAP, LLC-IHLAP Lab # 100194
NELAP Certification: NJ 03038; NY 10872

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 AIHA, unless specifically indicated. The final results are not field blank corrected. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. 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: 011909861
 CustomerID: EPIC62
 CustomerPO:
 ProjectID:

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

Phone: (856) 205-1077
 Fax: (856) 205-0413
 Received: 08/09/19 10:15 AM

Project: **Delsea Regional High School WR Worst Case**

Analytical Results

Client Sample Description		Result	RL	Units	Collected:	Lab ID:	Prep Date & Analyst		Analysis Date & Analyst	
DHS-01 Weight room front side of building					8/8/2019				011909861-0001	
Method	Parameter	Result	RL	Units			Prep Date & Analyst		Analysis Date & Analyst	
METALS										
NIOSH 6009	Mercury	ND		0.00014 mg/m ³	8/15/2019	SW	8/15/2019		SW	
DHS-02 Weight room, side entrance to gym					8/8/2019				011909861-0002	
Method	Parameter	Result	RL	Units			Prep Date & Analyst		Analysis Date & Analyst	
METALS										
NIOSH 6009	Mercury	ND		0.00014 mg/m ³	8/15/2019	SW	8/15/2019		SW	
DHS-03 Gymnasium by weight room entrance					8/8/2019				011909861-0003	
Method	Parameter	Result	RL	Units			Prep Date & Analyst		Analysis Date & Analyst	
METALS										
NIOSH 6009	Mercury	ND		0.00014 mg/m ³	8/15/2019	SW	8/15/2019		SW	
DHS-04 Field Blank 1					8/8/2019				011909861-0004	
Method	Parameter	Result	RL	Units			Prep Date & Analyst		Analysis Date & Analyst	
METALS										
NIOSH 6009	Mercury	ND		0.000010 mg/tube	8/15/2019	SW	8/15/2019		SW	
DHS-05 Field Blank 2					8/8/2019				011909861-0005	
Method	Parameter	Result	RL	Units			Prep Date & Analyst		Analysis Date & Analyst	
METALS										
NIOSH 6009	Mercury	ND		0.000010 mg/tube	8/15/2019	SW	8/15/2019		SW	

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.
200 Route 130 North

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

**Industrial Hygiene
Chain of Custody**

EMSL Order Number (Lab Use Only):

01909861

RECEIVED
EMSL
CINNAMINSON, NJ

Report To Contact Name: **James Eberts** ID: **16**

Company Name: Epic Environmental Services, LLC

Street: 1930 Brown Rd

City: Newfield State/Province: NJ Zip/Postal Code: 08344

Phone: 8568891736 Fax:

Bill To Company: Epic Environmental Services, LLC Client ID #:

Attention To: James Eberts

Street: 1930 Brown Rd

City: Newfield State/Province: NJ Zip/Postal Code: 08344

Phone: 8568891736 Fax:

Project Name: Delsea Regional High School WR Worst Case Email Results To: jeberts@epicenviro.com U.S. State where Samples Collected: NJ

Samples in Shipment: 5 Date of Shipment: 8/10/19 Purchase Order: Sampled By (Signature): *[Signature]*

Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week TAT Will Apply Media Type: Manufacturer/Part #: Lot #:

2 Week 1 Week 4 Day 3 Day 2 Day 1 Day Other (Call Lab)

Client Sample ID	Location/Description	Analyte / Method	Media	Flow (lpm)	Sample Time		Volume / Area	Sample Type	Sample Date	Comments
					On	Off				
DHS-01	Weight room front side of building	MERCURY - NIOSH 6006	S TUBE	0.2	0845	1445	72	<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	8/8/2019	5'
DHS-02	Weight room, side entrance to gym	MERCURY - NIOSH 6006	S TUBE	0.2	0845	1445	72	<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	8/8/2019	5'
DHS-03	Gymnasium by weight room entrance	MERCURY - NIOSH 6009	S TUBE	0.2	0845	1415	72	<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	8/8/2019	5'
DHS-04	Field Blank 1	MERCURY - NIOSH 6009	S TUBE					<input type="checkbox"/> Area <input type="checkbox"/> Personal	8/8/19	/
DHS-05	Field Blank 2	MERCURY - NIOSH 6009	S TUBE					<input type="checkbox"/> Area <input type="checkbox"/> Personal	8/8/19	/
		MERCURY - NIOSH 6009	S TUBE					<input type="checkbox"/> Area <input type="checkbox"/> Personal		
		MERCURY - NIOSH 6009	S TUBE					<input type="checkbox"/> Area <input type="checkbox"/> Personal		
		MERCURY - NIOSH 6009	S TUBE					<input type="checkbox"/> Area <input type="checkbox"/> Personal		

Note: Most NIOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates.

Released By: *[Signature]* Date: 8/15/19
Received By: *[Signature]* Date: 8/15/19 10:16 AM

Comments: