

January 31, 2020

Mr. Thomas Rambone, CEFM Facilities Manager **Franklin Township Board of Education** 3228 Coles Mill Rd. Franklinville, NJ 08322

RE: Mercury Vapor Air Sampling Janvier Elementary School - All Purpose Room Epic Project Number: 20-1001

Dear Mr. Rambone:

Epic Environmental Services, LLC collected a total of three air samples plus two blanks on January 17, 2020 in the Janvier Elementary School to assess mercury vapor concentrations in the All-Purpose Room and adjacent area (Kitchen). Sample collection was performed in accordance with the "Mercury Hazard in Schools from Rubber-like Polyurethane Floors - Health and Safety Guide".

Samples were collected for a period of 6 hours. Ventilation was operating normally, and the sampling areas were 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 $0.8~\mu g/m^3$.

Sample results were all **below** the New Jersey Department of Health action limit criteria of $0.8 \ \mu g/m^3$. At this time, no corrective measures or actions are recommended.

It is recommended to continue the long-term management and routine monitoring program.

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

The invoice for the project is attached.

James J. Eleuts

Regards,

James Eberts President

Tele: 856.205.1077

Fax: 856.205.0413

Franklin Township Board of Education Mercury Vapor Air Sampling Janvier Elementary School - All Purpose Room Epic Project Number: 20-1001

January 31, 2020

Sampling Summary

Mercury Vapor – NIOSH Method 6009 January 17, 2020

Sample Location	<u>Result</u>	Notes / Conditions
APR by Stage	0.51 μg/m³	Sample Collected 3.0' above floor Temp 66° - 67° F over sampling time Ventilation operating normally Area Unoccupied Sample time 8:54 am – 2:54 pm
APR Side opposite Stage	0.34 μg/m³	Sample Collected 3.0' above floor Temp 66° - 67° F over sampling time Ventilation operating normally Area Unoccupied Sample time 8:54 am – 2:54 pm
Kitchen, Center	0.21 μg/m³	Sample Collected 3.0' above floor Temp 66° - 67° F over sampling time Ventilation operating normally Normal Occupancy/Activity Sample time 8:54 am – 2:54 pm
Field Blank 1	"none detected"	
Field Blank 2	"none detected"	



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

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 1/21/2020. The results are tabulated on the attached data pages for the following client designated project:

Janvier ES - All-Purpose Room

The reference number for these samples is EMSL Order #012000656. 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:

1/28/2020

Phillip Worby, Environmental Chemistry Laboratory Director



AIHA-LAP, LLC-IHLAP Lab # 100194 NELAP Certification: NJ 03036; 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.



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

 EMSL Order: CustomerID: CustomerPO:

012000656 EPIC62 20-1001

ProjectID:

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

Phone: (856) 205-1077
Fax: (856) 205-0413
Received: 01/21/20 9:00 AM

Project: Janvier ES - All-Purpose Room

Analytical	Results
------------	---------

Client Sample Description	JES-01 APR by Stage		Collected:	1/17/2020) Lab	ID:	012000656-0	001
Method F	Parameter	Result	RL Units		Prep Date & An		Analysi Date & Ana	
METALS								
NIOSH 6009	Mercury	0.00051	0.00014 mg/m	l ³	1/22/2020	SW	1/22/2020	SW
Client Sample Description	JES-02 APR Side opposite Stage		Collected:	1/17/2020) Lab	ID:	012000656-0	002
Method F	Parameter	Result	RL Units		Prep Date & An	alyst	Analysi Date & Ana	
METALS								
NIOSH 6009	Mercury	0.00034	0.00014 mg/m	1 ³	1/22/2020	SW	1/22/2020	SW
Client Sample Description	JES-03 Kitchen - Center		Collected:	1/17/2020) Lab	ID:	012000656-0	003
Method F	Parameter	Result	RL Units		Prep Date & An	alyst	Analysi Date & Ana	
METALS								
NIOSH 6009	Mercury	0.00021	0.00014 mg/m	1 ³	1/22/2020	SW	1/22/2020	SW
Client Sample Description	JES-04 Field Blank 1		Collected:	1/17/2020) Lab	ID:	012000656-0	004
Method P	Parameter	Result	RL Units		Prep Date & An	alyst	Analysi Date & Ana	
METALS								
NIOSH 6009	Mercury	ND	0.000010 mg/tu	ıbe	1/22/2020	SW	1/22/2020	SW
Client Sample Description	JES-05 Field Blank 2		Collected:	1/17/2020) Lab	ID:	012000656-0	005
Method P	Parameter	Result	RL Units		Prep Date & An	alyst	Analysi Date & Ana	
METALS								
NIOSH 6009	Mercury	ND	0.000010 mg/tu	ıbe	1/22/2020	SW	1/22/2020	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

T

Industrial Hygiene Chain of Custody EMSL Order Number (Lab Use Only):

EMSL Analytical, Inc. 200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

Sample In Company Name: Elic Environmental Services, LLC	Strate Pervice Lic Attention City Pervice Pervice City Pervice Pervi	LABORATORY-PRODUCTS-TRAINING	TRAINING		7	1,000	11,000,000					FAX: (856) 786-5974
State/Provinces, ILC Street: 1930 Brown Rd State/Provinces; NJ Zip/Postal Code; 08344 City: Newfield State/Provinces; NJ Zip/Postal Code; 08344 City: Newfield State/Provinces; NJ Zip/Postal Code; 08344 City: Newfield State/Provinces; NJ Zip/Postal Code; 0834 City: Newfield State/Provinces; NJ Zip/Postal Code; 0834 City: Newfield Sample By (Signature);	Street: 1300 Brown Rd	Report To Cont		ırts			Bill To	Company:	W S	ronmental S		lient ID #:
State/Province: NJ Zip/Poetal Code: 08344 City: Newfield State/Province: NJ Zip/Poetal Code: 08344 City: Newfield State/Province: NJ Zip/Poetal Code: 08344 City: Newfield Fax: ES - All-Purpose Room	Street	Company Name	- 1	Services, LLC			Attent		ames Ebert	Ø		
ES - All-Purpose Room Estate Province: NJ Image: NJ Expression of Earth Province: NJ Image:	Phone 856891736	Street: 1930 B	Irown Rd				Street	1000	own Rd			
ES - All-Purpose Room	Project Name: Jamvier ES - Alk-Purpose Room	city: Newfield	State/Provir		p/Postal Cod	e: 08344	City: N	lewfield		State/Prov		Zip/Postal Code: 08344
E3 - All-Purpose Room	Project Name: Janvier ES - All-Purpose Room	Phone : 85688					Phone	8568891	736		Fax:	
Date of Shipment. 1/20/2020 Purchase Order: 20-1001 Sampled By (Signature): Proceeding the Continuous of the Con	Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week Zot Week	Project Name:	Janvier ES - All-Purpos	se Room		Email Re	sults To: jek	perts@epic	enviro.com		U.S. State wher	e Samples Collected: N.
Coation/Description Analyte/ Media Flow Sample Time Coll Lab) Manufacturer/Part #: Lot #: Location/Description Analyte/ Media Flow Sample Time Volume Sample Sample Date Comments APR by Stage Wercuer Noteries STUBE 0.2 0854 1454 72 L Area Personal 1/17/2020 3' APR Side opposite Stage Wercuer Noteries STUBE 0.2 0854 1454 72 L Area Personal 1/17/2020 3' Kitchen - Center Wercuer Noteries STUBE 0.2 0854 1454 72 L Area Personal 1/17/2020 3' Field Blank 1 Wercuer Noteries STUBE	Coation/Description Analyte/ Media Flow Sample Time Manufacturer/Part #: Lot #: Location/Description Method Media Flow Sample Time Volume Sample Sample Sample Comments APR by Stage Method Meth	# Samples in Sh		Date of Shipmen	t: 1/20/2020	Purchase	Order: 20-	1001	Sampled	By (Signatur	(e): gan	M
Columeek 14 Day 13 Day 12 Day 10 Day	Coation/Description Analyte/ Media Flow Sample Time Volume Sample Sample Comments APR by Stage West-urr. Notes record STUBE O.2 0854 1454 72 Lg Area Personal 1/17/2020 STUBE STUBE O.2 0854 1454 72 Lg Area Personal 1/17/2020 STUBE STUBE O.2 0854 1454 72 Lg Area Personal 1/17/2020 STUBE O.2 O854 1454 72 Lg Area Personal 1/17/2020 STUBE O.2 O854 1454 72 Lg Area Personal 1/17/2020 STUBE O.2 O854	Turnaround	1	Check: If No Se	lection Mac	le, Standa	ard 2 Week	TAT WILL	Apply	Media Typ	e:	
APR by Stage	Client Location/Description Method Media Flow Sample Time Volume Type Sample Date Comments JES-01 APR by Stage wencern-most-readeness STUBE 0.2 0854 1454 72 L Area 1/17/2020 3' JES-02 APR Side opposite Stage wencern-most-readeness STUBE 0.2 0854 1454 72 L Area 1/17/2020 3' JES-03 Kitchen - Center wencern-most-readeness STUBE 0.2 0854 1454 72 L Area 1/17/2020 3' JES-03 Kitchen - Center wencern-most-readeness STUBE 0.2 0854 1454 72 L Area 1/17/2020 3' JES-04 Field Blank 1 wencern-most-readeness STUBE R R Area 1/17/2020 3' JES-05 Field Blank 2 wencern-most-readeness STUBE R R Area Most-width worst-readeness STUBE R R Area	2 Week		Ц	☐2 Day		Day	Other (Cal	Lab)	Manufactu	rer/Part #:	Lot #:
APR by Stage wercurer-woost-ease STUBE 0.2 0.854 1454 72 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 72 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 72 Lg Garage Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 72 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 72 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 72 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 1454 1/2 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 1/2 Lg Garage 1/17/2020 Sample STUBE 0.2 0.854 1454 1/2 Lg Garage 1/17/2020 Sample STUBE 0.2 0.2 0.854 1454 1/2 Lg 0.2 0.2 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854 1/17/2020 0.854	JES-02 APR Side opposite Stage wercurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-03 APR Side opposite Stage wercurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-04 Field Blank 1 wercurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-05 Field Blank 2 wercurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-05 Field Blank 2 wercurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-05 Field Blank 2 wercurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-06 Field Blank 3 structurer.notes team STUBE 0.2 0854 1454 72 L Comments: JES-07 Field Blank 4 wercurer.notes team STUBE 0.2 Comments: JES-08 Field Blank 5 wercurer.notes team STUBE 0.2 Comments: JES-09 Field Blank 6 wercurer.notes team STUBE 0.2 Comments: JES-09 Field Blank 7 wercurer.notes team STUBE 0.2 Comments: JES-09 Field Blank 7 wercurer.notes team Wercurer.notes team STUBE 0.2 Comments: JES-09 JES-09 Comments:	Client Sample ID	Location/Description		Media	Flow (lpm)	Sample	Time	Volume / Area	Sample Type	Sample Date	Comments
APR Side opposite Stage MERCURY - NIOSH 6002 STUBE O.2 O.854 1454 72 Lg Area 1/17/2020 STUBE O.2 O.854 1454 72 Lg Area 1/17/2020 STUBE O.2 O.854 1454 72 Lg Area 1/17/2020 STUBE O.2 O.854 O.2 O	JES-02 APR Side opposite Stage wirecurer-incosession STUBE 0.2 0854 1454 72 Lg Hersonal 1/17/2020 3' JES-03 Kitchen - Center wirecurer-incosession STUBE 0.2 0854 1454 72 Lg Hersonal 1/17/2020 3' JES-04 Field Blank 1 wirecurer-incosession STUBE Area Hersonal 1/17/2020 Hersonal 1/17/2020 JES-05 Field Blank 2 wirecurer-incosession STUBE Area Hersonal 1/17/2020 Mote: Most INIOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Pate Area	JES-01	APR by Stage	MERCURY - NIOSH 6009	S TUBE	0.2	0854	1454	72 L	✓ Area	1/17/2020	3.
Kitchen - Center WERCLIRY - NIOSH 6008 STUBE O.2 O.854 1454 72 Led Personal 1/17/2020 STUBE Personal MERCLIRY - NIOSH 6009 STUBE Personal Perso	JES-03 Kitchen - Center WERGLINY - NIGGRINGON STUBE O.2 0854 1454 72 Lg Personal 1/17/2020 STUBE O.2 0854 1454 72 Lg Personal 1/17/2020 STUBE O.3		APR Side opposite Stag		S TUBE	0.2	0854	1454	72 L	✓ Area □ Personal		3-
Field Blank 1 WERGURY- MOSH 6009 S TUBE	Field Blank 1 wercurer - Noces soos STUBE Field Blank 2 wercurer - Noces soos STUBE MERCURER - Noces soos STUBE WERCURER - NOCES		Kitchen - Cente		S TUBE	0.2	0854	1454	72 L	✓ Area Personal		3.
Field Blank 2 MERCURY - MOSH 6009 S TUBE MERCURY - NOSH 6	Field Blank 2 WERCURY - NIOSH 6009 S TUBE WE	JES-04	Field Blank 1	MERCURY - NIOSH 6009					+	Area Personal		
MERCURY - NIOSH 6009 S TUBE MERCURY - NIOSH	MERCURY - NIOSH 6009 S TUBE MERCURY - NIOSH	JES-05	Field Blank 2	MERCURY - NIOSH 6009	S TUBE					Area Personal		
MERCURY - NIOSH 6009 S TUBE MERCURY - NIOSH 6009 S TUBE NOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Date Received By (ULL) (ULL) (ULL) (ULL)	MERCURY - NIOSH 6009 S TUBE MERCURY - NIOSH 6009 S TUBE NOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. A Personal Personal Personal Personal Personal Received By A Personal Pers			MERCURY - NIOSH 6009	S TUBE					Area Personal		
MERCURY - NIOSH 6009 S TUBE NOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Date Area Personal Personal Date Date	MERCURY - NIOSH 80008 S TUBE NOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Nosh and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Date Da			MERCURY - NIOSH 6009	S TUBE					Area Personal		
NOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Date Received By (UU)	NOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates. Date Received By (ULL) (ULL)			MERCURY - NIOSH 6009	S TUBE					Area Personal		
Date Received By My Date Out Date Date Date Date Date	Date Received By Min Date Out Date Date Date Date Date	Note: Most NIOS	SH and OSHA methods re		It is the IH fiel	d sampler	s responsibil	ity to submit	the proper	number of fiel	d blanks and dup	
111 (COD) 1/12 4	118 (Par) 1/24 d	Released By				Date	Rece	ived By	4	2		E
Comments:	Comments:	Sample							11	July 1	(July)	1/24 40
		Comments:										



January 31, 2020

Mr. Thomas Rambone, CEFM Facilities Manager Franklin Township Board of Education 3228 Coles Mill Rd. Franklinville, NJ 08322

RE: Mercury Vapor Air Sampling Main Road School - Gymnasium **Epic Project Number: 20-1001**

Dear Mr. Rambone:

Epic Environmental Services, LLC collected a total of three air samples plus two blanks on January 17, 2020 in the Main Road School to assess mercury vapor concentrations in the Gymnasium and adjacent area (Gym Office). Sample collection was performed in accordance with the "Mercury Hazard in Schools from Rubberlike Polyurethane Floors - Health and Safety Guide".

Samples were collected for a period of 6 hours. Ventilation was operating normally, and the sampling areas were unoccupied while samples were being collected.

Samples 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 µg/m³.

Sample results were all well below the New Jersey Department of Health action limit criteria of 0.8 µg/m³. At this time, no corrective measures or actions are recommended.

It is recommended to continue the long-term management and routine monitoring program.

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

The invoice for the project is attached.

James J. Eleuts

Epic Environmental Services, LLC

Regards,

James Eberts President

Tele: 856.205.1077

Franklin Township Board of Education Mercury Vapor Air Sampling Main Road School - Gymnasium Epic Project Number: 20-1001

January 31, 2020

Sampling Summary

Mercury Vapor – NIOSH Method 6009 January 17, 2020

Sample Location	<u>Result</u>	Notes / Conditions
Gym, opposite Gym Office	0.17 μg/m³	Sample Collected 3.0' above floor Temp 60° - 65° F over sampling time Ventilation operating normally Area Unoccupied Sample time 7:50 am – 1:50 pm
Gym, by Gym Office	0.18 μg/m³	Sample Collected 3.0' above floor Temp 60° - 65° F over sampling time Ventilation operating normally Area Unoccupied Sample time 7:50 am – 1:50 pm
Gym Office	$< 0.14 \mu g/m^3$ (none detected)	Sample Collected 3.0' above floor Temp 60° - 65° F over sampling time Ventilation operating normally Area Unoccupied Sample time 7:50 am – 1:50 pm
Field Blank 1	"none detected"	
Field Blank 2	"none detected"	



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

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 1/21/2020. The results are tabulated on the attached data pages for the following client designated project:

Main Road ES- Gymnasium

The reference number for these samples is EMSL Order #012000684. 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:

1/28/2020

Phillip Worby, Environmental Chemistry Laboratory
Director

leing W. Why



AIHA-LAP, LLC-IHLAP Lab # 100194 NELAP Certification: NJ 03036; 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.



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID: CustomerPO: 012000684 EPIC62 20-1001

ProjectID:

(856) 205-1077 Attn: James Eberts Phone: Fax: (856) 205-0413 **Epic Environmental Services, LLC** Received: 01/21/20 9:00 AM 1930 Brown Road

Project: Main Road ES- Gymnasium

Newfield, NJ 08344

Analytical Results

		Allalytical	(Esulis		
Client Sample Description	n MRS-01 Gym Side Opposite Office		Collected: 1/17/20:	20 Lab ID :	012000684-0001
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
NIOSH 6009	Mercury	0.00017	0.00014 mg/m ³	1/22/2020 SW	1/22/2020 SW
Client Sample Description	n MRS-02 Gym Side by Office		Collected: 1/17/20:	20 Lab ID :	012000684-0002
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
NIOSH 6009	Mercury	0.00018	0.00014 mg/m ³	1/22/2020 SW	1/22/2020 SW
Client Sample Description	n MRS-03 Gym Office		Collected: 1/17/20:	20 Lab ID :	012000684-0003
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
NIOSH 6009	Mercury	ND	0.00014 mg/m ³	1/22/2020 SW	1/22/2020 SW
Client Sample Description	n MRS-04 Field Blank 1		Collected: 1/17/20:	20 Lab ID :	012000684-0004
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
NIOSH 6009	Mercury	ND	0.000010 mg/tube	1/22/2020 SW	1/22/2020 SW
Client Sample Description	n MRS-05 Field Blank 2		Collected: 1/17/20:	20 Lab ID :	012000684-0005
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
NIOSH 6009	Mercury	ND	0.000010 mg/tube	1/22/2020 SW	1/22/2020 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.

Industrial Hygiene Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077

PHONE: 1-800-220-3675 FAX: (856) 786-5974

Report To Con	Report To Contact Name: James Eberts				Bill To	Company	Epic Env	ironmental S	Bill To Company: Epic Environmental Services, LE Client ID #:	Client ID #:
Company Name:	le: Epic Environmental Services, LLC	ervices, LLC			Attent	Attention To:	James Eberts	S		
Street: 1930 Brown Rd	Brown Rd				Street:	:: 1930 Brown Rd	own Rd			
City: Newfield	State/Province: NJ		Zip/Postal Code: 08344	e: 08344	City: N	City: Newfield		State/Province:	ince: NJ	Zip/Postal Code: 08344
Phone: 8568891736	391736 Fax:				Phone	Phone: 8568891736	736		Fax:	
Project Name:	Project Name: Main Road ES - Gymnasium	ium		Email Res	sults To: jel	berts@epic	Email Results To: jeberts@epicenviro.com		U.S. State whe	U.S. State where Samples Collected: NJ
# Samples in Shipment:	5	of Shipm	ent: 1/20/2020	Purchase	Purchase Order: 20-1001	1001	Sampled	By (Signatur	Sampled By (Signature): Horne	while
Turnaroun	Turnaround Time (TAT) - Please Check: If No	heck: If No Se	Selection Made, Standard 2 Week TAT Will Apply	le, Standa	ird 2 Weel	K TAT Will	Apply	Media Type:	e:	
☐2 Week	✓1 Week	, □3 Day	☐2 Day	1 Day	Н	Other (Call Lab)	I Lab)	Manufacturer/Part #:	irer/Part #:	Lot #:
Client Sample ID	Location/Description	Analyte / Method	Media	Flow (lpm)	Sample Time On Off	e Time Off	Volume / Area	Sample Type	Sample Date	Comments
MRS-01	Gym Side Opposite Office	MERCURY - NIOSH 6009	S TUBE	0.2	0220	1350	72 L	✓ Area ☐ Personal	1/17/2020	3.
MRS-02	Gym Side by Office	MERCURY - NIOSH 6009	S TUBE	0.2	0220	1350	72 L	✓ Area Personal	1/17/2020	3.
3 MRS-03	Gym Office	MERCURY - NIOSH 6009	S TUBE	0.2	0220	1350	72 L	✓ Area □ Personal	1/17/2020	3.
MRS-04	Field Blank 1	MERCURY - NIOSH 6009	S TUBE				+	Area Personal	1/17/2020	
MRS-05	Field Blank 2	MERCURY - NIOSH 6009	S TUBE					Area Personal	1/17/2020	
		MERCURY - NIOSH 6009	S TUBE					Area Personal		
		MERCURY - NIOSH 6009	S TUBE					Area Personal		
		MERCURY - NIOSH 6009	S TUBE					Area Personal		
Note: Most NIO	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	iire field blanks.	It is the IH fier	d sampler's	s responsibl	ility to submi	it the proper	number of fiel	d blanks and du	plicates.
Released By	- 0			Date	Rec	Received By	nn	7.) Date

_ pages of Page_

301

Comments:



January 31, 2020

Mr. Thomas Rambone, CEFM Facilities Manager **Franklin Township Board of Education** 3228 Coles Mill Rd. Franklinville, NJ 08322

RE: Mercury Vapor Air Sampling

Reutter Elementary School - Gymnasium

Epic Project Number: 20-1001

Dear Mr. Rambone:

Epic Environmental Services, LLC collected a total of three air samples plus two blanks on January 17, 2020 in the Reutter Elementary School to assess mercury vapor concentrations in the Gymnasium and adjacent area (Gym Office). Sample collection was performed in accordance with the "Mercury Hazard in Schools from Rubber-like Polyurethane Floors - Health and Safety Guide".

Samples were collected for a period of 6 hours. Ventilation was operating normally, and the sampling areas were unoccupied while samples were being collected.

Samples 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 $0.8 \mu g/m^3$.

Sample results were all **well below** the New Jersey Department of Health action limit criteria of $0.8 \ \mu g/m^3$. At this time, no corrective measures or actions are recommended.

It is recommended to continue the long-term management and routine monitoring program.

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

The invoice for the project is attached.

James J. Eleuts

Regards,

James Eberts President

HEALTH SAFETY ENVIRONMENT

Fax: 856.205.0413

Franklin Township Board of Education Mercury Vapor Air Sampling Reutter Elementary School - Gymnasium Epic Project Number: 20-1001

January 31, 2020

Sampling Summary

Mercury Vapor – NIOSH Method 6009 January 17, 2020

Sample Location	<u>Result</u>	Notes / Conditions
Gym, Wall left of Entrance	0.16 μg/m³	Sample Collected 3.0' above floor Temp 64° - 65° F over sampling time Ventilation operating normally Area Unoccupied Sample time 8:30 am – 2:30 pm
Gym, Wall opposite Entrance	0.18 μg/m³	Sample Collected 3.0' above floor Temp 64° - 65° F over sampling time Ventilation operating normally Area Unoccupied Sample time 8:30 am – 2:30 pm
Gym Office	$<0.14~\mu g/m^3 \\ \text{(none detected)}$	Sample Collected 3.0' above floor Temp 64° - 65° over sampling time Ventilation operating normally Area Unoccupied Sample time 8:30 am – 2:30 pm
Field Blank 1	"none detected"	
Field Blank 2	"none detected"	



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn: James Eberts 1/28/2020

Epic Environmental Services, LLC 1930 Brown Road Newfield, NJ 08344

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 1/21/2020. The results are tabulated on the attached data pages for the following client designated project:

Reutter ES- Gymnasium

The reference number for these samples is EMSL Order #012000683. 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 03036; NY 10872

Report amended 01/28/2020 13:52:14 Replaces initial report from 01/28/2020 11:52:34 Reporting Units corrected to mg/m³ for samples - 0001 and -0003.

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.



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

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

EMSL Order: 012000683 CustomerID: EPIC62 CustomerPO: 20-1001

ProjectID:

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

Phone: (856) 205-1077 (856) 205-0413 Fax: 01/21/20 9:00 AM Received:

Project: Reutter ES- Gymnasium

Ana	lytical	Results
-----	---------	---------

METALS NIOSH 6009 Mercury 0.00016 0.00014 mg/m³ 1/22/2020 SW 1/22/2020 SW Client Sample Description RES-02 Gym side by Main Hallway Collected: 1/17/2020 Lab ID: 0.12000683-0002 SW Method Parameter Result RL Units Date & Analyst Analysis Date & Analyst METALS NIOSH 6009 Mercury 0.00018 0.00014 mg/m³ 1/12/2020 SW 1/22/2020 SW Client Sample Description RES-03 Gym Office Collected: 1/17/2002 Lab ID: 0.12000683-0003 Method Parameter Result RL Units Date & Analyst Date & Analyst METALS ND 0.00014 mg/m³ 1/22/2020 SW 1/22/2020 SW Client Sample Description RES-04 Field Blank 1 Collected: 1/17/2020 Lab ID: 0.12000683-0004 METALS Method Parameter Result RL Units Prep Date & Analyst Analysis Date & Analyst METALS Date & Analyst Date & Analyst Date									
Method Parameter Result RL Units Date & Analyst Date & Analyst METALS NIOSH 6009 Mercury 0.00016 0.00014 mg/m³ 1/22/2020 SW 1/22/2020 SW Client Sample Description RES-02 gym side by Main Hallway Collected: 1/17/2020 Lab ID: 0.12000683-0002 Analysis Date & Analyst Date & Analysis Date & Analyst SW 1/22/2020	Client Sample Description			Collected:	1/17/2020	Lab	ID:	012000683-0	0001
NIOSH 6009 Mercury NIOSH 6009 New Nizer Ni	Method	Parameter	Result	RL Units					
Client Sample Description RES-02 Gym side by Main Hallway Result RL Units Date & Analyst Date & Date & Date & Date & Date & Date	METALS								
Method Parameter Result RL Units Date & Analyst Date & Anal	NIOSH 6009	Mercury	0.00016	0.00014 mg/m	1 ³	1/22/2020	SW	1/22/2020	SW
METALS Mercury 0.00018 0.00014 mg/m³ 1/22/2020 SW	Client Sample Description			Collected:	1/17/2020	Lab	D:	012000683-0	0002
NIOSH 6009 Mercury 0.00018 0.00014 mg/m³ 1/22/2020 SW 1/22/2020 SW	Method	Parameter	Result	RL Units					
Collected: 1/17/2020 Lab ID: 012000683-0003	METALS								
Method Parameter Result RL Units Date & Analyst Date & Analyst Date & Analyst	NIOSH 6009	Mercury	0.00018	0.00014 mg/m	1 ³	1/22/2020	SW	1/22/2020	SW
Method Parameter Result RL Units Date & Analyst Date & Analyst METALS METALS ND 0.00014 mg/m³ 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW 1/22/2020 SW	Client Sample Description			Collected:	1/17/2020	Lab	ID:	012000683-0	0003
NIOSH 6009 Mercury ND 0.00014 mg/m³ 1/22/2020 SW 1/22/2020 SW	Method	Parameter	Result	RL Units					
Client Sample Description RES-04 Field Blank 1 Collected: 1/17/2020 Lab ID: 012000683-0004 Method Parameter Result RL Units Units Prep Date & Analyst Analysis Date & Analyst METALS NIOSH 6009 Mercury ND 0.000010 mg/tube 1/22/2020 SW 1/22/2020 SW Client Sample Description RES-05 Field Blank 2 Collected: 1/17/2020 Lab ID: 012000683-0005 Method Parameter Result RL Units Prep Date & Analyst Analysis Date & Analyst METALS	METALS								
Field Blank 1	NIOSH 6009	Mercury	ND	0.00014 mg/m	1 ³	1/22/2020	SW	1/22/2020	SW
Method Parameter Result RL Units Date & Analyst Date & Analyst METALS METALS NIOSH 6009 Mercury ND 0.000010 mg/tube 1/22/2020 SW 1/22/2020 SW Client Sample Description Field Blank 2 RES-05 Field Blank 2 Collected: 1/17/2020 Lab ID: 012000683-0005 Method Parameter Result RL Units Date & Analyst Date & Analyst METALS	Client Sample Description			Collected:	1/17/2020	Lab	D:	012000683-0	0004
NIOSH 6009 Mercury ND 0.000010 mg/tube 1/22/2020 SW 1/22/2020 SW Client Sample Description RES-05 Collected: 1/17/2020 Lab ID: 012000683-0005 Field Blank 2 Prep Analysis Method Parameter Result RL Units Date & Analyst Date & Analyst	Method	Parameter	Result	RL Units					
Client Sample Description RES-05 Field Blank 2 Method Parameter Result RL Units Date & Analyst Date & Analyst METALS	METALS								
Field Blank 2 Prep Analysis Method Parameter Result RL Units Date & Analyst Date & Analyst METALS	NIOSH 6009	Mercury	ND	0.000010 mg/tu	ube	1/22/2020	SW	1/22/2020	SW
Method Parameter Result RL Units Date & Analyst Date & Analyst METALS	Client Sample Description			Collected:	1/17/2020	Lab	ID:	012000683-0	0005
	Method	Parameter	Result	RL Units					
NIOSH 6009 Mercury ND 0.000010 mg/tube 1/22/2020 SW 1/22/2020 SW	METALS								
	NIOSH 6009	Mercury	ND	0.000010 mg/tu	ube	1/22/2020	SW	1/22/2020	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

Date

Received By

Date 20 12

Released By

pages

o

Page

Chain of Custody EMSL Order Number (Lab Use Only): Industrial Hygiene

EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077

PHONE: 1-800-220-3675 FAX: (858) 786-5074

Street: 1930 Brown Rd			on Eborto							2 lota commen	1	
Street: 1930 Brown Rd Street: 1930 Brown Rd city: Newfield State/Province: NJ Zip/Postal Code: 08344 City: Newfield State/Province: NJ Phone: 8568891736 Fax: Phone: 8568891736 Fax: Project Name: 8668891736 Fax: Phone: 8668891736 Fax: Project Name: 8668891736 Fax: Phone: 8668891736 Fax: Project Name: 8668891736 Fax: Phone: 8668891736 Fax: Project Name: 8eutler ES - Gymnasium Fmail Results To: jebert%@epicenviro.com U.S. State where Turnaround Time (TAT) - Please Check: If No Selection Macdia (Ipm) Client Area Type Date Client Location/Description Analyte/ Media (Ipm) On Area Type Date RES-01 Gym Side by Hallway Media (Ipm) On Area Type Personal 1/17/2020 RES-02 Gym Office Westine Media TUBE Area TZ L Area Personal 1/17/2020 RES-04 Field Blank 2 Media	Report To C		es Epells				Bill T	Company:		Ironmental	Services, LET	Client ID #:
Street: 1930 Brown Rd city: Newfield Street: 1930 Brown Rd City: Newfield Eax: Fax: From: S568891736 Fax: From: S68891736 Fax: Sample ID Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week TAT Will Apply Method Method Global Signature: John Method	Company Na		mental Se	ervices, LLC			Atteni		ames Eber	ts		
City: Newfield State/Province: NJ Implication City: Newfield State/Province: NJ Fax: Phone: 8568891736 Fax: Fax: Fax: Fax: Fax: Project Name: 8568891736 Fax: From: 8568891736 Fax: Fax: Project Name: 868891736 Fax: Project Name: 8568891736 Fax: Fax: Project Name: 858891736 Fax: Project Name: 8568891736 Fax: Project Name: 8568891736 Fax: Project Name: 858891736 Fax: Project Name: 8569891736 Pax: 8569991736 Pax: 8569991736 <td>Street: 1930</td> <td>) Brown Rd</td> <td></td> <td></td> <td></td> <td></td> <td>Street</td> <td></td> <td>own Rd</td> <td></td> <td></td> <td></td>	Street: 1930) Brown Rd					Street		own Rd			
Phone	City: Newfie		Province	N	o/Postal Cod	le: 08344		Vewfield		State/Prov		Zip/Postal Code: 08344
ES - Gymnasium 5 Email Results To: jebents@epicenviro.com 5 Date of Shipment: 1/20/2020 Purchase Order: 20-1001 Sampled Notice (Sall Lab) Media Type TAT) - Please Check: If No Selection Made, Standard 2 Week TAT Will Apply Media Type Media Type Media Type Media Type Media Type Manufactu Ion/Description Analyte / Method Media Flow Sample Time Yolume Sample Time Type Side by Hallway Method S TUBE 0.2 0830 1430 72 Lgg Personal Personal Id Blank 1 Mercurer - NIOSH 6000 S TUBE 0.2 0830 1430 72 Lgg Personal Personal Id Blank 2 Mercurer - NIOSH 6000 S TUBE S TUBE S TUBE Area Personal Id Blank 2 Mercurer - NIOSH 6000 S TUBE S TUBE Area Area Id Blank 3 Mercurer - NIOSH 6000 S TUBE Area Area	Phone : 856	8891736	Fax:				Phone	8568891	736		Fax:	
Figure Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week TAT Will Apply Media Type Turnaround Time (TAT) - Please Check: If No Sample ID Manufactu Method Method	Project Name	e: Reutter ES - Gyr	mnasium			Email Re	sults To: Je	berts@epic	enviro.com		U.S. State whe	ere Samples Collected: NJ
Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week ☐1 Day ☐1 Day ☐1 Day ☐1 Day ☐0ther (Call Lab) Manufacturer/Part #: Media Type: Client Sample ID Sample ID RES-01 Gym Side by Hallway RES-01 Gym Side by Main Hallway RES-02 Gym Office RES-02 Gym Office RES-04 Field Blank 1 RES-05 RES-05 Field Blank 2 RES-05 RES-05 Field Blank 2 RES-05 RES-05 Field Blank 2 RES-05 RES-06 RES-06 Gym Office	# Samples in		Da	te of Shipment	t: 1/20/2020		e Order: 20.	-1001	Sampled	By (Signatur	re): (Januar	1 f. C
Client Location/Description Analyte / Media Topay Other (Call Lab) Manufacturer/Part #: Client Sample ID RES-01 Location/Description Analyte / Media Flow (Ipm) Sample IIme IT / Area Yolume Type ID Pate ID P	Turnaro	and Time (TAT) - F	Please Cl		lection Mac	de, Stand	ard 2 Wee	k TAT Will	Apply	Media Typ	Je:	
Client Sample ID RES-01 Location/Description Analyte (Ipm) Method Media Flow (Ipm) On	☐2 Week		4 Day	Н	Ц	H		Other (Cal	Lab)	Manufactu	rer/Part #:	Lot #:
Sample ID Location Description Method Image: Method (Ipm) On Off / Area Type Date RES-01 Gym Side by Hallway Mercurer-Index one of the state of the s	Client	Cood acitor	unitation.	Analyte /	Modia	Flow	Sample	e Time	Volume	Sample	Sample	Commonte
RES-01 Gym Side by Hallway MERCURY - MOSH 6600 S TUBE 0.2 0830 1430 72 Lgggee Personal	Sample ID		- Indian	Method	Media	(Ipm)	On	Off	/ Area	Type	Date	Comments
RES-02 Gym Side by Main Hallway ETUBE 0.2 0830 1430 72 Lgggggggggggggggggggggggggggggggggggg) RES-01		Hallway	MERCURY - NIOSH 6009	S TUBE	0.2	0830	1430	72 L	✓ Area		3'
RES-03 Gym Office MERCURY-NIOSH 6008 S TUBE 0.2 0830 1430 72 Lether Personal 1/17/2020 RES-04 Field Blank 1 MERCURY-NIOSH 6009 S TUBE S TUBE S TUBE N S S S S S S S S S S S S S S S S S S S			n Hallway	MERCURY - NIOSH 6009	S TUBE	0.2	0830	1430	72 L	✓ Area Personal		3'
RES-04 Field Blank 1 MERCURY - NIOSH 6009 S TUBE			ice	MERCURY - NIOSH 6009	S TUBE	0.2	0830	1430	72 L	✓ Area Personal		3,
RES-05 Field Blank 2 MERCURY - NIOSH 6009 S TUBE ☐ Area Area ☐ Area Area ☐ Area Area ☐ Area B Personal ☐ Area	M RES-04		nk 1	MERCURY - NIOSH 6009	S TUBE				+			
S TUBE S TUBE			nk 2	MERCURY - NIOSH 6009	S TUBE					Area Personal		
S TUBE				MERCURY - NIOSH 6009	S TUBE					Area Personal		
S TUBE				MERCURY - NIOSH 6009	S TUBE					Area Personal		
				MERCURY - NIOSH 6009	S TUBE					Area Personal		

Comments: