

Preliminary Asbestos in Air Results  
Columbian Enameling - RV  
Terre Haute, Vigo County, Indiana  
4/15/2024

Analyte			Fibers
Screening Level			0.01 f/cc
Analytical Method			NIOSH 7400 (PCM)
Sample ID	Sample Location	Date Collected	Result (f/cc)
CE-AA-UW-20250415	Upwind	4/15/2025	<0.001
CE-AA-DW-20250415	Downwind	4/15/2025	0.001
CE-AA-CW1-20250415	Crosswind 1	4/15/2025	<0.001
CE-AA-CW2-20250415	Crosswind 2	4/15/2025	<0.001
CE-AA-GS-20250415	Gradeschool	4/15/2025	<0.001
CE-AA-FB01-20250415	Field Blank	4/15/2025	ND
CE-AA-FB02-20250415	Field Blank	4/15/2025	ND
CE-AA-LB01-20250415	Lot Blank	4/15/2025	ND
CE-AA-LB02-20250415	Lot Blank	10/25/2024	ND

**Notes:**

<: Less than

f/cc: Fibers per cubic centimeter

ND: Not detected

NIOSH: National Institute for Occupational Safety and Health

PCM: Phase contrast microscopy

The detection at the downwind sample on 4/15/2025 is not an exceedance of the applicable screening limit of 0.01 f/cc.

## Stage 1 Data Verification Checklist

### Columbian Enameling – RV

68HE0525F0025/2525-19

Reviewed by:

Laboratory: Eurofins Built Environment Testing, Cary, North Carolina

Report No: 652317-1R

- ✓ 1. Chain of custody (CoC) documentation is present.
- X 2. Sample receipt condition information is present and acceptable.
- ✓ 3. Laboratory conducting the analysis is identified.
- ✓ 4. All samples submitted to the laboratory are accounted for.
- ✓ 5. Requested analytical methods were performed.
- ✓ 6. Analysis dates are provided.
- ✓ 7. Analyte results are provided.
- ✓ 8. Result qualifiers and definitions are provided.
- ✓ 9. Result units are reported.
- ✓ 10. Requested reporting limits are present.
- NA 11. Method detection limits are present.
- X 12. Sample collection date and time are present.

Discrepancies:

- 2. Sample receipt condition information is not included in the laboratory report.
- 6. Analysis dates are provided in the CoC and in the sample ID.
- 12. Sample collection date is present, but no time is noted.

Notes:

Sample ID for sample CE-AA-CW2-20250415 was incorrectly transcribed by the laboratory. The laboratory was contacted and sent a revised report on April 21, 2025.

Report no. 652317

Sample	Air			
	Volume (L)	Detected Fibers	Density (F/mm2)	Concentration (F/cc)
CE-AA-FB01-20250415	0	0	0	0 =Nondetect
CE-AA-FB02-20250415	0	0	0	0 =Nondetect
CE-AA-CW1-20250415	4456.12	2.5	3.18	0.0003 =Nondetect
CE-AA-CW2-20250415	4379.39	1	1.27	0.0001 =Nondetect
CE-AA-UW-20250415	4489.64	2	2.55	0.0002 =Nondetect
CE-AA-DW-20250415	4459.06	5.5	7.01	0.001
CE-AA-LB01-20250415	0	0	0	0 =Nondetect
CE-AA-LB02-20250415	0	0	0	0 =Nondetect
CE-AA-GS-20250415	2202.19	0	0	0 =Nondetect

Sample: CE-AA-DW-20250415

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$$\frac{5.5/100}{0.00785 \text{ mm}^2} = \mathbf{7.01} \text{ fibers/mm}^2$$

$$\frac{385 \text{ mm}^2 \times 7.01 \text{ fibers/mm}^2}{4459.06 \text{ L} \times 10^3} = \mathbf{0.001} \text{ fibers/cc}$$

April 21, 2025

Taylor Cooper  
Tetra Tech, Inc. (START)  
1 S. Wacker Drive  
Suite 3700  
Chicago, IL 60606

**CLIENT PROJECT:** Columbian Enameling RV, 103x9037250025019, 500-267037-1  
**LAB CODE:** 652317-1RR

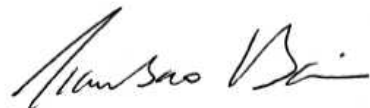
Dear Taylor,

Enclosed are fiber analysis results for PCM air samples received at our laboratory on April 18, 2025. The samples were analyzed for fibers using phase contrast microscopy (PCM) per NIOSH 7400 Method, A Rules.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7400 method is 7 f/mm<sup>2</sup>.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director

AIHA LAP 103025

**ASBESTOS ANALYTICAL REPORT**  
**By: Phase Contrast Microscopy**

Prepared for

**Tetra Tech, Inc. (START)**

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CLIENT PROJECT: Columbian Enameling RV, 103x9037250025019, 500-267037-1

LAB CODE: 652317-1RR

TEST METHOD: Fiber Count, NIOSH 7400A

REPORT DATE: 04/21/25

**Client:** Tetra Tech, Inc. (START)  
1 S. Wacker Drive  
Suite 3700  
Chicago, IL 60606

**Lab Code:** 652317-1RR  
**Date Received:** 04/18/25  
**Date Analyzed:** 04/21/25  
**Date Reported:** 04/21/25

**Project:** Columbian Enameling RV, 103x9037250025019, 500-267037-1

**Method:** ASBESTOS AND OTHER FIBERS BY PCM, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (L)	Fibers	Fields	R.L. (F/mm <sup>2</sup> )	Density (F/mm <sup>2</sup> )	R.L. (F/cc)	Concentration (F/cc)
CE-AA-FB01-20250415	263181	0	0	100	7.01	BRL	---	---
CE-AA-FB02-20250415	263182	0	0	100	7.01	BRL	---	---
CE-AA-CW1-20250415	263183	4456.12	2.5	100	7.01	BRL	0.001	BRL
CE-AA-CW2-20250415	263184 <sup>R</sup>	4379.39	1	100	7.01	BRL	0.001	BRL
CE-AA-UW-20250415	263185	4489.64	2	100	7.01	BRL	0.001	BRL
CE-AA-DW-20250415	263186	4459.06	5.5	100	7.01	7.01	0.001	0.001
CE-AA-LB01-20250415	263187	0	0	100	7.01	BRL	---	---
CE-AA-LB02-20250415	263188	0	0	100	7.01	BRL	---	---
CE-AA-GS-20250415	263189	2202.19	0	100	7.01	BRL	0.001	BRL

Sample analyses have been blank corrected using customer supplied blanks.

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**LEGEND:** R.L = Reporting Limit, BRL = Below Reporting Limit

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**METHOD:** Fiber Count, NIOSH 7400A

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**LIMIT OF DETECTION:** 7 fibers / mm<sup>2</sup>

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**REGULATORY LIMIT:** OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample; OSHA Permissible Exposure Limit (PEL) is 0.10 fibers per cc based on 8 hour TWA; EPA Final Clearance Standard is 0.01 fibers per cc.

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Eurofins Built Environment Testing East, LLC makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. The analyzed samples were collected by customers and the verifiability of the lab's results are limited to the reported F/mm<sup>2</sup>. Interpretation of the analytical results is the sole responsibility of the client. Field blanks, if submitted with the project, have been used to correct the data.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.28. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

This report contains revisions from the previous version, as requested by the client, which may include Project #/P.O. #, Project Description, or Client ID Number. All changes are identified with an <sup>R</sup> next to all modified fields.

Fiber count range	5-20	21-50	51-100
Intralaboratory Sr	0.28	0.22	0.14



Eva Leslie  
Analyst

DATA QA:



Andy Matelski  
4/21/2025

APPROVED BY:



Tianbao Bai, Ph.D., CIH  
Laboratory Director



Built Environment Testing


RES Job #: 652317

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: <b>Tetra Tech, Inc. (START)</b>	Company: <b>Eurofins Environment Testing - Chicago</b>	Contact: <b>Taylor Cooper</b>	<b>-1 PCM Priority</b>
Address: <b>1 S. Wacker Drive</b>	Address: <b>18410 Crossing Drive</b>	Phone: <b>(312) 201-7443</b>	
<b>Suite 3700</b>	<b>Suite E</b>	Fax:	
<b>Chicago, IL 60606</b>	<b>Tinley Park, IL 60487</b>	Cell:	
Project Number and/or P.O. #: <b>103x9037250025019</b>	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: <b>Columbian Enameling RV, 103x9037250025019</b>		<b>taylor.cooper@tetratech.com (+ 3 ADDNL. CONTACTS)</b>	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES					LAB NOTES		
PLM / <span>PCM</span> / TEM DTL RUSH <span>PRIORITY</span> STANDARD					PLM	TEM	PCM - PCM (NIOSH 7400A)	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD	Air = A Bulk = B					
														Dust = D Food = F					
CHEMISTRY LABORATORY														Paint = P Soil = S					
Dust RUSH PRIORITY STANDARD														Surface = SU Swab = SW					
Metals RUSH PRIORITY STANDARD														Tape = T Wipe = W					
														Drinking Water = DW					
														Waste Water = WW					
Organics* SAME DAY RUSH PRIORITY STANDARD														**ASTM E1792 approved wipe media only**					
MICROBIOLOGY LABORATORY																			
Viable Analysis** PRIORITY STANDARD																			
					Sample Volume (L) / Area	Sample Temperature (°C)	Length (or Aliquots) x Width (or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions							
**PRIOR NOTICE REQUIRED FOR SAME DAY TAT																			
Medical Device Analysis RUSH STANDARD																			
Mold Analysis RUSH PRIORITY STANDARD																			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**																			
Special Instructions:																			
Client Sample ID Number (Sample ID's must be unique)																			
1 <a href="#">CE-AA-FB01-20250415</a>																			
2 <a href="#">CE-AA-FB02-20250415</a>																			
3 <a href="#">CE-AA-CU1-20250415</a>																			
4 <a href="#">CE-AA-CU2-20250415</a>																			
5 <a href="#">CE-AA-UW-20250415</a>																			
6 <a href="#">CE-AA-DW-20250415</a>																			
7 <a href="#">CE-AA-LB01-20250415</a>																			
8 <a href="#">CE-AA-LB02-20250415</a>																			
9 <a href="#">CE-AA-GS-20250415</a>																			

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:	Date/Time: <b>04/18/2025 9:50:02</b>	Sample Condition: <b>Acceptable</b>
Received By:  <b>William Ivey</b>	Date/Time: <b>04/18/2025 12:05:19</b>	Carrier: <b>Fed-Ex</b>



## IH CHAIN OF CUSTODY

Open Lab Fee

Client: <u>Ryan Kuhn</u>	Bill to: <u>Tetra Tech, Inc.</u>
<u>Tetra Tech, Inc.</u>	Address: <u>1 S Wacker Dr, Suite 3700</u>
<u>1 S. Wacker Dr, Suite 3700</u>	City/State: <u>Chicago, IL</u> Zip: <u>60606</u>
State: <u>IL</u> Zip: <u>60606</u>	PO #:

## Project Information

Project Name: <u>Columbian Enameling RV</u>	Project Manager: <u>Alexia Scholl</u>
Project #: <u>2X000100320004EF304 103x9037250025019</u>	Telephone - Office/Cell <u>513-835-3617</u>
Email: <u>alexia.scholl@tetratech.com, taylor.cooper@tetratech.com, STARTDataValidation@tetratech.com</u>	
Notification By: Email: <input checked="" type="checkbox"/> Verbal: <input type="checkbox"/>	

Project Notes: NIOSH 7402 ANALYSIS IF 7400 RESULTS  $\geq 0.01\% / \text{cc}$ 

## Turnaround Times - Please Select One

1 Day <input checked="" type="checkbox"/>	2 Day <input type="checkbox"/>	3 Day <input type="checkbox"/>	5 Day <input type="checkbox"/>
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## ASBESTOS

PCM TEM - Air	TEM - Bulk	TEM - Water	TEM - Dust	Soil/Vermiculite/Ore
NIOSH 7400 (PCM) NIOSH 7402 (TEM) AHERA ASTM D6281 ISO 10312 ISO 13794	<input type="radio"/> Gravimetric Reduction "Chatfield" (<1%) (EPA 600/R-93/116)  <input type="radio"/> Qualitative (+/-) <input type="radio"/> Drop Mount <input type="radio"/> Filtration	<input type="radio"/> EPA 100.2 Drinking Water <input type="radio"/> >10 $\mu\text{m}$ fibers <input type="radio"/> $\geq 0.5 \mu\text{m}$ fibers <input type="radio"/> EPA 100.2 Effluent: WW Received on Ice: <input type="radio"/> Yes <input checked="" type="radio"/> No Temp: _____	<input type="radio"/> ASTM D5755 Microvac <input type="radio"/> ASTM D6480 Wipe <input type="radio"/> 600/J-93/167 Carpet - EPA <input type="radio"/> Bulk Dust Qualitative	<input type="radio"/> Soil PLM Only (VE<1%) <input type="radio"/> CARB 435-Modified <input type="radio"/> ASTM 7521 <input type="radio"/> TEM Conf. of Above <input type="radio"/> Vermiculite PLM Only (VE<1%) <input type="radio"/> Vermiculite- TEM (+/-) <input type="radio"/> Vermiculite-Cincinnati <input type="radio"/> Erionite ID

## METALS

IC	ICP
<input type="radio"/> Cr(VI) in Air - OSHA ID-215 <input type="radio"/> Cr(VI) in Wipe - OSHA ID-215 <input type="radio"/> Cr(VI) in Bulk - OSHA ID-215	<input type="radio"/> Metals in Air - NIOSH 7303 <input type="radio"/> Metals in Wipe - OSHA ID-121 <input type="radio"/> Metals in Bulk - OSHA ID-121 <input type="radio"/> Welding Fume - NIOSH 7303

## SILICA/PARTICULATES

X-Ray Diffraction / Gravimetric
<input type="radio"/> Respirable Crystalline Silica NIOSH 7500 / OSHA 142 <input type="radio"/> NIOSH 0500 - Total Particulates <input type="radio"/> NIOSH 0600 - Respirable Particulates

Number of Samples Submitted:

Positive Stop:

☐ NO☐ YES
☐ By Layer  
☐ By Sample

## Signatures

<u>WO</u> Signed By:	<u>Ryan Kuhn</u> Date: <u>4-17-25</u> Time: _____
	Date: <u>4/18</u> Time: <u>9:50</u>
	Date: _____ Time: _____
	Date: _____ Time: _____

Emergency rate. All samples analyzed outside normal business hours are charged at Emergency rate.  
 Normal Hours (i.e. 1 Day TAT = End of Next Business Day)

6110 West 34<sup>th</sup> Street  
 Houston, Texas 77092  
 tel: 713-290-0221

3113 Red Bluff Road  
 Pasadena, TX 77503  
 tel: 713-290-0223

701 Harry Hines Blvd  
 Dallas, TX 75220  
 tel: 713-358-2413

pc: Columbian Enameling RV

er ~~3X-031003200~~

103x9037250025019

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## SAMPLE IDENTIFICATION

[illegible]

Comments/Special Instructions:

610 W 34th Street  
Houston, TX 77503  
tel: 713-290-0221

3113 Red Bluff Road  
Pasadena, TX 77503  
tel: 713-290-0223

9701 Harry Hines Blvd  
Dallas, TX 75220  
tel: 713-358-2418