

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.
- 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.
- 11. Method detection limits are present.
- 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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$$\frac{5.5/100}{0.00785 \text{ mm}^2} = 7.01 \text{ fibers/mm}^2$$

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

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

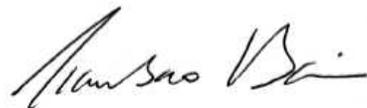
Dear Taylor,

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/mm².

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



Built Environment Testing

ASBESTOS ANALYTICAL REPORT
By: Phase Contrast Microscopy

Prepared for

Tetra Tech, Inc. (START)

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 ²)	Density (F/mm ²)	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 ^R	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.

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

METHOD: Fiber Count, NIOSH 7400A

LIMIT OF DETECTION: 7 fibers / mm²

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.

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/mm². 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 ^R 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

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

ASBESTOS LABORATORY	REQUESTED ANALYSIS							VALID MATRIX CODES					LAB NOTES	
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD	PLM	TEM	PCM - PCM (NIOSH 7400A)	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD	Air = A	Bulk = B	Drinking Water = DW	Waste Water = WW	**ASTM E1792 approved wipe media only**
CHEMISTRY LABORATORY										Dust = D	Food = F			
Dust RUSH PRIORITY STANDARD										Paint = P	Soil = S			
Metals RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT										Surface = SU	Swab = SW			
Organics* SAME DAY RUSH PRIORITY STANDARD										Tape = T	Wipe = W			
MICROBIOLOGY LABORATORY														
Viability Analysis** PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH														
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)	ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length (or Aliquot) x Width (or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions		
1 CE-AA-FB01-20250415	X				0			A						
2 CE-AA-FB02-20250415	X				0			A						
3 CE-AA-CU1-20250415	X				0			A						
4 CE-AA-CU2-20250415	X				0			A						
5 CE-AA-UW-20250415	X				0			A						
6 CE-AA-DW-20250415	X				0			A						
7 CE-AA-LB01-20250415	X				0			A						
8 CE-AA-LB02-20250415	X				0			A						
9 CE-AA-GS-20250415	X				0			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: 04/18/2025 9:50:02	Sample Condition: Acceptable
Received By:	William Ivey	Date/Time: 04/18/2025 12:05:19
		Carrier: Fed-Ex

IH CHAIN OF CUSTODY

Open Lab Fee

[Redacted]

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

Name: <u>Columbian Enameling RV</u> Project Manager: <u>Alexia Scholl</u> Telephone - Office/Cell: <u>513-835-3617</u>	Project #: <u>2X000100220004EF304 103x9037250025019</u>
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Email: alexia.scholl@tetrattech.com, taylor.cooper@tetrattech.com, STARTDataValidation@tetrattech.com
 Notification By: Email: Verbal:

Analysis: NIOSH 7402 ANALYSIS IF 7400 RESULTS > 0.01f/cc

Turnaround Times - Please Select One

1 Day 2 Day 3 Day 5 Day

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	Gravimetric Reduction "Chatfield" (<1%) (EPA 600/R-93/116) Qualitative (+/-) Drop Mount Filtration	EPA 100.2 Drinking Water >10µm fibers ≥0.5µm fibers EPA 100.2 Effluent: WW Received on site: Yes <input type="checkbox"/> No <input type="checkbox"/> Temp: _____	ASTM D5755 Microvac ASTM D6480 Wipe 600/J-93/167 Carpet - EPA Bulk Dust Qualitative	Soil PLM Only (VE <1%) CARB 435-Modified ASTM 7521 TEM Conf. of Above Vermiculite PLM Only (VE <1%) Vermiculite- TEM (+/-) Vermiculite-Cincinnati Erionite ID

METALS

SILICA/PARTICULATES

IC	ICP	X-Ray Diffraction / Gravimetric
Cr(VI) in Air - OSHA ID-215 Cr(VI) in Wipe - OSHA ID-215 Cr(VI) in Bulk - OSHA ID-215	Metals in Air - NIOSH 7303 Metals in Wipe - OSHA ID-121 Metals in Bulk - OSHA ID-121 Welding Fume - NIOSH 7303	Respirable Crystalline Silica NIOSH 7500 / OSHA 142 NIOSH 0500 - Total Particulates NIOSH 0600 - Respirable Particulates

Number of Samples Submitted: _____ Positive Stop: NO YES
 By Layer By Sample

Signatures

Signature: <u>Ryan Kuhn</u> Date: <u>4-17-25</u> Time: _____
Signature: <u>[Signature]</u> Date: <u>4/18</u> Time: <u>9:50</u>
Signature: _____ Date: _____ Time: _____
Signature: _____ Date: _____ Time: _____

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

