

Preliminary Asbestos in Air Results
Columbian Enameling - RV
Terre Haute, Vigo County, Indiana
05/15/2025

Analyte			Fibers
Screening Level			0.01 f/cc
Analytical Method			NIOSH 7400 (PCM)
Sample ID	Sample Location	Date Collected	Result (f/cc)
CE-AA-FB01-20250515	Field Blank	5/15/2025	NA
CE-AA-FB02-20250515	Field Blank	5/15/2025	NA
CE-AA-CW1-20250515	Crosswind 1	5/15/2025	0.001
CE-AA-CW2-20250515	Crosswind 2	5/15/2025	<0.001
CE-AA-UW-20250515	Upwind	5/15/2025	<0.001
CE-AA-DW-20250515	Downwind	5/15/2025	<0.001
CE-AA-DW-20250515-D	Downwind Duplicate	5/15/2025	<0.001
CE-AA-LB01-20250515	Lot Blank 1	5/15/2025	NA
CE-AA-LB02-20250515	Lot Blank 2	5/15/2025	NA

Notes:

f/cc: Fibers per cubic centimeter

NA: Not applicable

ND: Not detected

NIOSH: National Institute for Occupational Safety and Health

PCM: Phase contrast microscopy

The detection at the downwind sample on 5/15/2025 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: 660033-1

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

Discrepancies:

- | | |
|-----|--|
| 2. | Sample receipt condition information is not included in the laboratory report. |
| 12. | Sample collection date is present, but no time is noted. |

Notes:

None.

Report no. 660033-1

Sample	Air			
	Volume (L)	Detected Fibers	Density (F/mm2)	Concentration (F/cc)
CE-AA-FB01-20250515	0	0	0	0 =Nondetect
CE-AA-FB02-20250515	0	0.5	0.64	0 =Nondetect
CE-AA-CW1-20250515	4062.41	6	7.64	0.0007
CE-AA-CW2-20250515	4075.97	4	5.10	0.0005 =Nondetect
CE-AA-UW-20250515	4199.51	2.5	3.18	0.0003 =Nondetect
CE-AA-DW-20250515	4042.41	1.5	1.91	0.000 =Nondetect
CE-AA-DW-20250515-D	4097.25	5	6.37	0.001 =Nondetect
CE-AA-LB01-20250515	0	0	0	0 =Nondetect
CE-AA-LB02-20250515	0	0	0	0 =Nondetect

Sample: CE-AA-CW1-20250515

Page: 3

$$\frac{6/100}{0.00785 \text{ mm}^2} = 7.64 \text{ fibers/mm}^2$$

$$\frac{385 \text{ mm}^2 \times 7.01 \text{ fibers/mm}^2}{4062.41 \text{ L} \times 10^3} = 0.001 \text{ fibers/cc}$$

May 23, 2025

Erik Young
Tetra Tech, Inc. (Chicago)
1 S. Wacker Drive
Suite 3700
Chicago, IL 60606

CLIENT PROJECT: Columbian Enameling RV, 103x9037250025019
LAB CODE: 660033-1

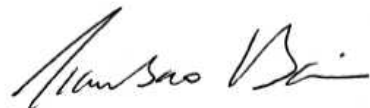
Dear Erik,

Enclosed are fiber analysis results for PCM air samples received at our laboratory on May 22, 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

ASBESTOS ANALYTICAL REPORT
By: Phase Contrast Microscopy

Prepared for

Tetra Tech, Inc. (Chicago)

CLIENT PROJECT: Columbian Enameling RV, 103x9037250025019

LAB CODE: 660033-1

TEST METHOD: Fiber Count, NIOSH 7400A

REPORT DATE: 05/23/25

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

Lab Code: 660033-1
Date Received: 05/22/25
Date Analyzed: 05/23/25
Date Reported: 05/23/25

Project: Columbian Enameling RV, 103x9037250025019

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-FB01-20250515	266969	0	0	100	7.01	BRL	---	---
CE-AA-FB02-20250515	266970	0	0.5	100	7.01	BRL	---	---
CE-AA-CW1-20250515	266971	4062.41	6	100	7.01	7.48	0.001	0.001
CE-AA-CW2-20250515	266972	4075.97	4	100	7.01	BRL	0.001	BRL
CE-AA-UW-20250515	266973	4199.51	2.5	100	7.01	BRL	0.001	BRL
CE-AA-DW-20250515	266974	4042.41	1.5	100	7.01	BRL	0.001	BRL
CE-AA-DW-20250515-D	266975	4097.25	5	100	7.01	BRL	0.001	BRL
CE-AA-LB01-20250515	266976	0	0	100	7.01	BRL	---	---
CE-AA-LB02-20250515	266977	0	0	100	7.01	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.

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



Eva Leslie
Analyst

DATA QA:



Andy Matelski
5/23/2025

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



Built Environment Testing


RES Job #: 660033

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: Tetra Tech, Inc. (Chicago)	Company: Eurofins Environment Testing - Chicago	Contact: Erik Young	-1 PCM Priority
Address: 1 S. Wacker Drive	Address: 18410 Crossing Drive	Phone: (919) 481-1413	
Suite 3700	Suite E	Fax:	
Chicago, IL 60606	Tinley Park, IL 60487	Cell: (919) 481-1413	
Project Number and/or P.O. #: None Given	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Columbian Enameling RV, 103x9037250025019		erik.young@et.eurofinsus.com (+ 4 ADDNL. CONTACTS)	

ASBESTOS LABORATORY	REQUESTED ANALYSIS										VALID MATRIX CODES	LAB NOTES
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD											Air = A Bulk = B	
											Dust = D Food = F	
											Paint = P Soil = S	
											Surface = SU Swab = SW	
											Tape = T Wipe = W	
											Drinking Water = DW	
											Waste Water = WW	
											ASTM E1792 approved wipe media only	
CHEMISTRY LABORATORY												
Dust RUSH PRIORITY STANDARD												
Metals RUSH PRIORITY STANDARD												
Organics* SAME DAY RUSH PRIORITY STANDARD												
MICROBIOLOGY LABORATORY												
Viable Analysis** PRIORITY STANDARD												
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: NIOSH 7402 Analysis if 7400 Results >0.01 f/cc												
Client Sample ID Number (Sample ID's must be unique)	ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO								
1 CE-AA-FB01-20250515		X									0L	
2 CE-AA-FB02-20250515		X									0L	
3 CE-AA-CW1-20250515		X									4062.41L	
4 CE-AA-CW2-20250515		X									4075.97L	
5 CE-AA-UW-20250515		X									4199.51L	
6 CE-AA-DW-20250515		X									4042.41L	
7 CE-AA-DW-20250515-D		X									4097.25L	
8 CE-AA-LB01-20250515		X									0L	
9 CE-AA-LB02-20250515		X									0L	

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: 05/22/2025 9:46:07	Sample Condition: Acceptable
Received By:  William Ivey	Date/Time: 05/22/2025 11:13:57	Carrier: Fed-Ex

IH CHAIN OF CUSTODY

Date: 5/20/25

Sample ID: 660033

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

Project Information

Project: Enameling RV	Project Manager: Alexia Scholl
001EF304 103X9037250025019	Telephone - Office/Cell 513-835-3617
Email: alexia.scholl@tetrattech.com, taylor.cooper@tetrattech.com, STARTDataValidation@tetrattech.com	
Notification By: Email: <input type="checkbox"/> Verbal: <input type="checkbox"/>	

NIOSH 7402 ANALYSIS IF 7400 RESULTS ≥ 0.01 f/cc

Turnaround Times - Please Select One

1 Day ☒2 Day ☐3 Day ☐5 Day ☐

ASBESTOS

Bulk	PCM TEM- Air	TEM - Bulk	TEM - Water	TEM - Dust	Soil/Vermiculite/Ore
NIOSH 7400 (PCM)	O Gravimetric Reduction "Chatfield" (<1%) (EPA 600/R-93/116) Qualitative (+/-) O Drop Mount O Filtration	O EPA 100.2 Drinking Water O >10 µm fibers O ≥0.5 µm fibers O EPA 100.2 Effluent - WW Received on ice: O Yes O No Temp: _____	O ASTM D5755 Fibrovac O ASTM D6480 Wipe O 600/J-93/167 Carpet - EPA O Bulk Dust Qualitative	O Soil PLM Only (VE<1%) O CARB 435-Modified O ASTM 7521 O TEM Conf. of Above O Vermiculite PLM Only (VE<1%) O Vermiculite- TEM (+/-) O Vermiculite-Cincinnati O Erionite ID	
NIOSH 7402 (TEM)					
NIHARA					
ASTM D6281					
ISO 10312					
ISO 13794					

METALS

SILICA/PARTICULATES

	IC	ICP	X-Ray Diffraction / Gravimetric
NIOSH 7082	O Cr(VI) in Air - OSHA ID-215 O Cr(VI) in Wipe - OSHA ID-215 O Cr(VI) in Bulk - OSHA ID-215	O Metals in Air - NIOSH 7303 O Metals in Wipe - OSHA ID-121 O Metals in Bulk - OSHA ID-121 O Welding Fume - NIOSH 7303	O Respirable Crystalline Silica NIOSH 7500 / OSHA 142 O NIOSH 0500 - Total Particulates O NIOSH 0600 - Respirable Particulates

Samples Submitted:

Positive Stop: ☐ NO ☐ YES
☐ By Layer
☐ By Sample

Signatures

Analyst: Ryan Kuhn	Date: 5-20-25	Time: _____
Client: [Signature]	Date: 5/22/25	Time: 9:45 AM
	Date: _____	Time: _____
	Date: _____	Time: _____

Emergency notification. All samples analyzed outside normal business hours are charged at Emergency rates.
 24 hours Days rather than Hours (i.e. 1 Day TAT = End of Next Business Day)

 6110 West 34th Street
 Houston, Texas 77092
 tel: 713-290-0221

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

 9701 Harry Hines Blvd
 Dallas, TX 75220
 tel: 713-358-2411

407-3585
PRIORITY OVERNIGHT
27511 RDU
SHIP TO: 27511 RDU
SHIP FROM: 27511 RDU

TO REUSE Mark through all previous ship
Align top of FedEx Express® ship

ORIGIN ID: 1012 200-2534

TOTAL TECH
1 S WICKER DR FL 3P

CHICAGO, IL 60606
UNITED STATES US

SHIP ON: 11/18/20
ACTUAL: 11/18/20
CPO: 11/18/20 10:30A

WILL THIRD PARTY

TO

EUROFINS CEI
730 SE MAYNARD RD

CARY NC 27511

FROM: 27511 RDU

11/18/20 10:30A



FedEx
Express



TRK# 2888 9639 3199

THU - 22 MAY 10:30A
PRIORITY OVERNIGHT

X7 ISOA

① 24Hr

27511
NC - US RDU



Reusable Padded

IH CHAIN OF CUSTODY

n 1000

660033

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>	
<u>Chicago, IL</u>	City/State: <u>Chicago, IL</u> Zip: <u>60606</u>
Zip: <u>60606</u>	PO #:

Project Information

Project: <u>Enameling RV</u>	Project Manager: <u>Alexia Scholl</u>
<u>001EF304</u> <u>03X9037250025019</u>	Telephone - Office/Cell <u>513-835-3617</u>
Email: <u>alexia.scholl@tetrattech.com, taylor.cooper@tetrattech.com, STARTDataValidation@tetrattech.com</u>	
Notification By: Email: <input type="checkbox"/> Verbal: <input type="checkbox"/>	

Analysis: NIOSH 7402 ANALYSIS IF 7400 RESULTS \geq 0.01 f/cf

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

Bulk	PCM TEM- Air	TEM - Bulk	TEM - Water	TEM - Dust	Soil/Vermiculite/Ore
	<u>NIOSH 7400 (PCM)</u> <u>NIOSH 7402 (TEM)</u> <u>ASHERA</u> <u>ASTM D6281</u> <u>ISO 10312</u> <u>ISO 13794</u>	<input type="checkbox"/> Gravimetric Reduction "Chatfield" (<1%) (EPA 600/R-93/116) Qualitative (+/-) <input type="checkbox"/> Drop Mount <input type="checkbox"/> Filtration	<input type="checkbox"/> EPA 100.2 Drinking Water <input type="checkbox"/> >10 µm fibers <input type="checkbox"/> ≥0.5 µm fibers <input type="checkbox"/> EPA 100.2 Effluent - WW Received on ice: <input type="checkbox"/> Yes <input type="checkbox"/> No Temp: _____	<input type="checkbox"/> ASTM D5755 EPA 100.2 <input type="checkbox"/> ASTM D6480 Wipe <input type="checkbox"/> EPA 100.2 Cabinet - EPA <input type="checkbox"/> Bulk Dust Qualitative	<input type="checkbox"/> Soil PLM Only (VE<1%) <input type="checkbox"/> CARB 435-Modified <input type="checkbox"/> ASTM 7521 <input type="checkbox"/> TEM Conf. of Above <input type="checkbox"/> Vermiculite PLM Only (VE<1%) <input type="checkbox"/> Vermiculite- TEM (+/-) <input type="checkbox"/> Vermiculite-Cincinnati <input type="checkbox"/> Erionite ID

METALS

SILICA/PARTICULATES

	IC	ICP	X-Ray Diffraction / Gravimetric
<u>NIOSH 7082</u> <u>SW846 7000B/3050B</u> <u>SW846 7000B/3050B</u>	<input type="checkbox"/> Cr(VI) in Air - OSHA ID-215 <input type="checkbox"/> Cr(VI) in Wipe - OSHA ID-215 <input type="checkbox"/> Cr(VI) in Bulk - OSHA ID-215	<input type="checkbox"/> Metals in Air - NIOSH 7303 <input type="checkbox"/> Metals in Wipe - OSHA ID-121 <input type="checkbox"/> Metals in Bulk - OSHA ID-121 <input type="checkbox"/> Welding Fume - NIOSH 7303	<input type="checkbox"/> Respirable Crystalline Silica NIOSH 7500 / OSHA 142 <input type="checkbox"/> NIOSH 0500 - Total Particulates <input type="checkbox"/> NIOSH 0600 - Respirable Particulates

Samples Submitted:	Positive Stop: <input type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> By Layer <input type="checkbox"/> By Sample
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Signatures

Analyst: <u>Ryan Kuhn</u>	Date: <u>5-20-25</u> Time: _____
Client: <u>AE</u>	Date: <u>5/22/25</u> Time: <u>9:45 AM</u>
	Date: _____ Time: _____
	Date: _____ Time: _____

Emergency notification. All samples analyzed outside normal business hours are charged at Emergency rates.
3 Days rather than Hours (i.e. 1 Day TAT = End of Next Business Day)

EUROFINS CEI, INC
SAMPLES ACCEPTED

6110 West 34th Street
Houston, Texas 77092
tel: 713-290-0221

5113 Red Bluff Road
Pasadena, TX 77503
tel: 713-290-0223

9701 Harry Hines Blvd
Dallas, TX 75229
tel: 713-358-2411