



Weston-TechLaw JV
 Response Engineering and Analytical Contract
 2890 Woodbridge Ave, Building 209 Annex
 Edison, NJ 08837-3679

DATE: September 20, 2023

TO: Amy DuBois, U.S. EPA/ERT Task Order Contracting Officer Representative
 Kimberly Fitzgerald, REAC Project Manager

FROM: Deborah Killeen, REAC Quality Assurance Manager

SUBJECT: MAUI WILDFIRE RESPONSE –AIR SAMPLING EVENT – AUGUST 2023
 TASK ORDER #68HE0323F0376- VALIDATION REPORT

INTRODUCTION

A total of 20 ambient air samples collected from August 21 through August 25, 2023 on chain of custody records 9-082223-060438-0004, 9-082323-072401-0005, 9-082423-090848-0008, 9-082423-212853-0010 and 9-082723-153051-0013 were selected for transmission electron microscopy (TEM) analysis based on whether fibers were found during the phase contrast microscopy (PCM) analysis. These samples were analyzed in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7402, *Asbestos by TEM* by Eurofins CEI located in Cary, North Carolina. Four field blanks collected on August 24, 25 and 26, 2023 were also used as the field/lab blanks for this project.

A summary of the samples is listed below

Laboratory Sample #	Field Sample #	Lab Data Package No.	REAC Data Package No.
R30076 through R30077	A-010-H, A-011-H	R230948	AI-067
R30102 through R30105	A-015-H, A-016-H, A-021-H, A-023-H	R230960	AI-068
R30094 through R30099	A-025-L, A-028-H, A-029-H, A-030-H, A-032-H, A-033-L	R230961	AI-069
R30150 through R30153	A-040-H, A-044-H, A-056-FB, A-057-FB	R230971	AI-070
R30254 through R30261	A-050-H, A-053-H, A-058-H, A-059-H, A-060-H, A-062-H, A-064-FB, A-066-FB	R230985	AI-071

Sampling was conducted as per the site-specific Quality Assurance Project Plan (QAPP) and analyzed by the analytical methods stated in the QAPP. Data were validated using a Stage 2B validation done manually in accordance with the “Guidance for Labeling Externally Validated Data for Superfund Use.” Stage 2B is defined as a verification and validation based on completeness and compliance checks of sample receipt conditions and BOTH sample-related and instrument-related QC results. The Stage 2B checklist is included at the end of this report.

All data validation flags have been inserted into the electronic data deliverable (EDD) under the Result_Qualifier column. NOTE: Some data validation qualifiers may differ from the lab qualifiers.

Data were validated in accordance with the U.S. Environmental Protection Agency (EPA) TEM Validation Process Guidelines for Asbestos Data Review, as applicable for the NIOSH 7202 method.

Asbestos by Method NIOSH 7402 via Transmission Electron Microscopy

Laboratory Workorder IDs: R230948, R230960, R230961, R23071 and R230985

Sample Receipt – Samples were received by the laboratory from August 24 through August 30, 2023 in good condition.

Sample Preparation – No issues were reported by the laboratory.

Microscope Alignment – The microscope was aligned on the days of analysis (August 26, 28 and 30, 2023).

Instrument Calibration – Grid opening measurements were performed on 8/11/23 and 8/29/23. The percent relative standard deviation (%RSD) calculations were 0.086% and 0.068% respectively, within the 5% standard deviation criterion. The screen magnification calibration (2.27%) was performed on 8/25/23 and was less than (<) 5% of the mean value. The camera constant was calibrated weekly in August above the required monthly requirement. The sequential calibrations ranged between 0.022% and 1.186% within <5% of the mean value. The spot size calibration was 141 nanometers (nm) and was <250 nm. Prior to analyzing samples, the low- and high-energy checks of the copper (Cu) and aluminum (Al) peak centers were performed and within ± 20 electron volts (eV). The verification of the energy-dispersive spectroscopy (EDS) system was performed for manganese (Mn) and was <175 eV. The quarterly low-energy check using crocidolite was last performed on 7/31/23 and met criteria. Semi-annually k-factors using albite or basaltic glass were calculated for calcium (Ca), magnesium (Mg), iron (Fe), aluminum (Al) and sodium (Na) relative to silicon (Si). The Mg:Fe ratio (1.67) using basaltic glass did not meet the ≤ 1.5 criterion on 7/31/23.

Blank Analysis – For NIOSH 7402, a laboratory blank is not required. Four field blanks were prepared with the samples. These blanks did not contain any asbestos structures.

Replicate/Duplicate Analysis – A replicate analysis (same analyst) was performed on sample A-064-FB. No asbestos structures were found on either the sample or the replicate. A duplicate analysis was performed on sample A-026-L with no asbestos structures found by two different analysts. Both were done at the frequency of 1:20 samples.

Overall Assessment of the Data – Although the replicate analysis was performed on a field blank, the requirements for a replicate analysis is to use a sample with countable structures. If no structures are found, then a non-detect sample may be used.

After contacting the laboratory about the failed Mg:Fe calibration, the calibration was re-run on 9/19/23 and a Mg:Fe ratio of 1.39 was achieved. It is believed that the basaltic glass debris was very thin and this resulted in an inaccurate calibration readings. Since there was no asbestos fibers detected in any of the samples, data were not qualified.

REFERENCES

Eurofins/CEI, Inc. Asbestos Airborne Fiber Analysis by TEM, Method 305, Version: PCSO.01.20.1/14.LM Analysis.

NIOSH. Asbestos by TEM, Method 7402, 15 August 1994.
US EPA. TEM Validation Process Guidelines for Asbestos Data Review, OLEM Directive: 9200.2-180, October 2016.

cc: REAC SharePoint [Delivs](#)
ERT-IMS Website (REACV-F0376)

USEPA

Date Shipped: 8/21/2023
 Carrier Name: FedEx
 Airbill No:

CHAIN OF CUSTODY RECORD
 Site #: F0058
 Contact Name: Nikki Thomsen
 Contact Phone: 571-386-7595

No: 9-082223-060438-0004
 Cooler #: 01
 Lab: Eurofins CEI-Cary
 Lab Phone: 888-800-8061

p232306
p008978 - p008987
R230948

19

Lab #	Sample Date	Sample Time	Sample #	Location	Analyses	#	Container	TAT	TAT Units	Matrix	Volume	Vol Units
	8/21/2023	06:00	A-009-H	Loc01-GC-High	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1404	L
	8/21/2023	06:00	A-009-L	Loc01-GC-Low	Asbestos PCM/TEM	1		24	Hours	Ambient Air	350	L
	8/21/2023	18:00	A-010-H	Loc01-GC-High	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1440	L
	8/21/2023	18:00	A-010-L	Loc01-GC-Low	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	L
	8/21/2023	06:00	A-011-H	Loc01-GC-High-CO	Asbestos PCM/TEM	1		24	Hours	Ambient Air	846 2175	L
	8/21/2023	06:00	A-011-L	Loc01-GC-Low-CO	Asbestos PCM/TEM	1		24	Hours	Ambient Air	250	L
	8/21/2023	18:00	A-012-H	Loc02-FC-High	Asbestos PCM/TEM	1		24	Hours	Ambient Air	313.5	L
	8/21/2023	18:00	A-012-L	Loc02-FC-Low	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	L
	8/21/2023	06:00	A-013-FB	Loc02-FC	Asbestos PCM/TEM	1		24	Hours	Ambien Air	0	
	8/21/2023	18:00	A-014-FB	Field Blank	Asbestos PCM/TEM	1		24	Hours	Ambien Air	0	

Special Instructions: Special Instructions: NOT ALL SAMPLES WILL BE ANALYZED!! Samples were collected in Hi/Lo volume pairs. Only one sample from each pair will be analyzed. In general, the Hi volume will be analyzed, if the sample is overloaded, then the Lo sample should be analyzed, if any fibers are detected, please analyze by NIOSH 7402. The matrix for all samples is air. The media used is SKC 225-321 a 0.8 um mixed cellulose ester filter from Lot 22513-7E6-399.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>Elief R</i>	8/22/23	<i>WT</i>	8/24 9:50	

EUROFINS CEI, INC
SAMPLES ACCEPTED

WT

7913 8388 8752
 83150-F0376-DVR-092023

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R230960

P232325

19

Page 1 of 2 R30102

USEPA

Date Shipped: 8/23/2023

Carrier Name: FedEx

Airbill No:

CHAIN OF CUSTODY RECORD

Site #: F0058

Contact Name: Jennifer Larson

Contact Phone: 800-888-8061

P009070 - P009088

No: 9-082323-072401-0005

Cooler #:

Lab: Eurofins CEI-Cary



Lab Phone: 888-800-8061

Lab #	Sample #	Location	Analyses	TAT	TAT Units	TAT	TAT Units	Matrix	Sample Media	Sample Date	Volume	Vol Units
	A-015-H	Loc03-K01	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/21/2023	690	
	A-015-L	Loc03-K01	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	684	
	A-016-H	Loc03-K01	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	1164	
	A-016-L	Loc03-K01	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	582	
	A-017-H	Loc04-K02	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	1404	
	A-017-L	Loc04-K02	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	720	
	A-018-H	Loc04-K02	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	1368	
	A-018-L	Loc04-K02	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	720	
	A-019-FB	Field Blank	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	0	
	A-020-FB	Field Blank	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	0	

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SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
19	 BEAC/ERT	8/23/23 ^{12:00 PM}	 WI	8/25	9:50

7828 5000 5018
83150-F0376-DVR-092023

USEPA

DateShipped: 8/23/2023
 CarrierName: FedEx
 AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: F0058
 Contact Name: Jennifer Larson
 Contact Phone: 800-888-8061

No: 9-082323-072401-0005

Cooler #:
 Lab: Eurofins CEI-Cary
 Lab Phone: 888-800-8061

Lab #	Sample #	Location	Analyses	TAT	TAT Units	TAT	TAT Units	Matrix	Sample Media	Sample Date	Volume	Vol Units
	A-021-H	Loc01-GC	Asbestos PCM/TEM			24	Hours	Ambient Air	TEM Cassette	8/22/2023	820	L
	A-021-L	Loc01-GC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/22/2023 8/23/23	720	L
	A-022-H	Loc01-GC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/23/23	1440	L
	A-022-L	Loc01-GC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/23/23	720	L
	A-023-H	Loc02-FC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/22/2023	1136	L
	A-023-L	Loc02-FC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/22/2023	720	L
	A-024-H	Loc02-FC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/23/23	1440	L
	A-024-L	Loc02-FC	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette			
	A-034-FB	Field Blank	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/22/2023	0	L
	A-035-FB	Field Blank	Asbestos PCM/TEM			24	Hours	' '	TEM Cassette	8/23/2023	0	L

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
19	[Signature] REAC/ERT	8/23/23 12:00 pm			

P232326

P009089-9106

USEPA

CHAIN OF CUSTODY RECORD

No: 9-082423-090848-0008

DateShipped: 8/24/2023

Site #: F0058

Cooler #:

CarrierName: FedEx

Contact Name:

Lab: Eurofins CEI-Cary

AirbillNo:

Contact Phone:

Lab Phone: 888-800-8061

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Lab #	Sample #	Location	Analyses	TAT	TAT Units	Matrix	Sample Media	Sample Date	Volume	Vol Units
	A-025-H	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	1368	Liters
	A-025-L	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	720	Liters
	A-026-H	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	1300	Liters
	A-026-L	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	650	Liters
	A-027-H	Loc05-HH-CO	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	1440	Liters
	A-027-L	Loc05-HH-CO	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	720	Liters
	A-028-H	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/22/2023	522	Liters
	A-028-L	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	720	Liters
	A-029-H	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	1120	Liters
	A-029-L	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	560	Liters
	A-030-H	Loc03-K01	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/22/2023	590	Liters
	A-031-H	Loc03-K01	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	1344	Liters
	A-031-L	Loc03-K01	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	672	Liters
	A-032-H	Loc04-K02	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	1440	Liters
	A-032-L	Loc04-K02	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	720	Liters
	A-033-L	Loc04-K02	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	392	Liters
	A-045-FB	Field Blank	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	0	Liters
	A-046-FB	Field Blank	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/23/2023	0	Liters

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SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>[Signature]</i> REAL/ERT	8/24/23 12:00 PM	<i>[Signature]</i>	8/26	2:55 pm



TRK 7829 3872 5011

SU 8/26 2:55

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R230971
R30150

p232329

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USEPA

Date Shipped: 8/25/2023
Carrier Name: FedEx
Airbill No:

CHAIN OF CUSTODY RECORD

Site #: F0058
Contact Name:
Contact Phone:

P009120 - P009139

No: 9-082423-212853-0010

Cooler #:
Lab: Eurofins CEI-Cary
Lab Phone: 888-800-8061

Lab #	Sample #	Location	Analyses	TAT	TAT Units	Matrix	Sample Media	Sample Date	Volume	Vol Units
	A-036-H	Loc07-KK	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1404	liters
	A-036-L	Loc07-KK	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	720	liters
	A-037-H	Loc07-KK	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1288.95	liters
	A-037-L	Loc07-KK	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	627	liters
	A-038-H	Loc08-CP3	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1440	liters
	A-038-L	Loc08-CP3	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	468	liters
	A-039-H	Loc08-CP3-CO	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1292	liters
	A-039-L	Loc08-CP3-CO	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	720	liters
	A-040-H	Loc08-CP3	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1227.4	liters
	A-040-L	Loc08-CP3	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	422	liters
	A-041-H	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1404	liters
	A-041-L	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	720	liters
	A-042-H	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1120	liters
	A-042-L	Loc06-ES	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	560	liters
	A-043-H	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	1440	liters
	A-043-L	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	648	liters
	A-044-H	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	871.45	liters
	A-044-L	Loc05-HH	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	572.85	liters
	A-056-FB	Field Blank	Asbestos PCM/TEM	24	Hours	Ambient Air	TEM Cassette	8/24/2023	0	liters

Special Instructions: Special Instructions: NOT ALL SAMPLES WILL BE ANALYZED!! Samples were collected in Hi/Lo volume pairs. Only one sample from each pair will be analyzed. In general, the Hi volume will be analyzed, if the sample is overloaded, then the Lo sample should be analyzed, if any fibers are detected, please analyze by NIOSH 7402. The matrix for all samples is air. The media used is SKC 225-321 a 0.8 um mixed cellulose ester filter from Lot 22513-7E6-399

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
20	<i>Bill L REAC/ERT</i>	8/25/23 ^{12:00 PM}	<i>BWB</i>	8/26/23	8:00

EUROFINS CEI, INC
SAMPLES ACCEPTED

WT

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R230985
R30254

P232367

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31

USEPA

Date Shipped: 8/28/2023

Carrier Name: FedEx

Airbill No:

CHAIN OF CUSTODY RECORD

Site #: F0058

Contact Name: Jennifer Larson

Contact Phone: 800-888-8061

No: 9-082723-153051-0013

Cooler #:

Lab: Eurofins CEI-Cary

Lab Phone: 888-800-8061

SEL

Lab #	Sample Date	Sample Time	Sample #	Location	Analyses	#	Container	TAT	TAT Units	Matrix	Volume	Vol Units
	8/25/2023	06:00	A-047-H	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1386	liters
	8/25/2023	06:00	A-047-L	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	900	liters
	8/25/2023	06:57	A-048-H	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	114	liters
	8/25/2023	17:40	A-048-L	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	665	liters
	8/25/2023	06:00	A-049-H	Loc09-BG-CO	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1404	liters
	8/25/2023	06:00	A-049-L	Loc09-BG-CO	Asbestos PCM/TEM	1		24	Hours	Ambient Air	684	liters
	8/25/2023	06:00	A-050-H	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1440	liters
	8/25/2023	06:00	A-050-L	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	666	liters
	8/25/2023	18:00	A-051-H	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1422	liters
	8/25/2023	18:00	A-051-L	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	648	liters

Special Instructions: Special Instructions: NOT ALL SAMPLES WILL BE ANALYZED!! Samples were collected in Hi/Lo volume pairs. Only one sample from each pair will be analyzed. In general, the Hi volume will be analyzed, if the sample is overloaded, then the Lo sample should be analyzed, if any fibers are detected, please analyze by NIOSH 7402. The matrix for all samples is air. The media used is SKC 225-321 a 0.8 um mixed cellulose ester filter from Lot 22513-7E6-399.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
31	Elief [Signature] REAC/ERT	8/28/23 12:00 PM	WJ CEI	8/30/2023 10:10 AM	[Signature]

83150-F0376-DVR-092023 7830-3045 0953

USEPA

Date Shipped: 8/28/2023
 Carrier Name: FedEx
 Airbill No:

CHAIN OF CUSTODY RECORD

Site #: F0058
 Contact Name: Jennifer Larson
 Contact Phone: 800-888-8061

No: 9-082723-153051-0013

Cooler #:
 Lab: Eurofins CEI-Cary
 Lab Phone: 888-800-8061

Lab #	Sample Date	Sample Time	Sample #	Location	Analyses	#	Container	TAT	TAT Units	Matrix	Volume	Vol Units
	8/25/2023	06:00	A-052-H	Loc08-CP3	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1440	liters
	8/25/2023	06:00	A-052-L	Loc08-CP3	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	liters
	8/25/2023	16:17	A-053-H	Loc08-CP3	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1234	liters
	8/25/2023	16:17	A-053-L	Loc08-CP3	Asbestos PCM/TEM	1		24	Hours	Ambient Air	555.3	liters
	8/25/2023	06:00	A-054-H	Loc07-KK	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1386	liters
	8/25/2023	06:00	A-054-L	Loc07-KK	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	liters
	8/25/2023	16:46	A-055-H	Loc07-KK	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1292	liters
	8/25/2023	16:46	A-055-L	Loc07-KK	Asbestos PCM/TEM	1		24	Hours	Ambient Air	646	liters
	8/26/2023	06:00	A-058-H	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1440	liters
	8/26/2023	06:00	A-058-L	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	liters

Special Instructions: Special Instructions: NOT ALL SAMPLES WILL BE ANALYZED!! Samples were collected in Hi/Lo volume pairs. Only one sample from each pair will be analyzed. In general, the Hi volume will be analyzed, if the sample is overloaded, then the Lo sample should be analyzed, if any fibers are detected, please analyze by NIOSH 7402. The matrix for all samples is air. The media used is SKC 225-321 a 0.8 um mixed cellulose ester filter from Lot 22513-7E6-399.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
31	<i>Eid L REAC/ERT</i>	8/28/27 ^{12:00 PM}			

USEPA

Date Shipped: 8/28/2023
 Carrier Name: FedEx
 Airbill No:

CHAIN OF CUSTODY RECORD

Site #: F0058
 Contact Name: Jennifer Larson
 Contact Phone: 800-888-8061

No: 9-082723-153051-0013

Cooler #:
 Lab: Eurofins CEI-Cary
 Lab Phone: 888-800-8061

Lab #	Sample Date	Sample Time	Sample #	Location	Analyses	#	Container	TAT	TAT Units	Matrix	Volume	Vol Units
	8/26/2023	16:49	A-059-H	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1314.25	liters
	8/26/2023	16:49	A-059-L	Loc09-BG	Asbestos PCM/TEM	1		24	Hours	Ambient Air	649	liters
	8/26/2023	06:00	A-060-H	Loc09-BG-CO	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1476	liters
	8/26/2023	06:00	A-060-L	Loc09-BG-CO	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	liters
	8/26/2023	06:17	A-061-H	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1440	liters
	8/26/2023	06:17	A-061-L	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	720	liters
	8/26/2023	16:39	A-062-H	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	1244	liters
	8/26/2023	16:39	A-062-L	Loc10-CP16	Asbestos PCM/TEM	1		24	Hours	Ambient Air	622	liters
	8/25/2023	06:00	A-063-FB	Field Blank	Asbestos PCM/TEM	1		24	Hours	Ambient Air	0	liters
	8/25/2023	18:00	A-064-FB	Field Blank	Asbestos PCM/TEM	1		24	Hours	Ambient Air	0	liters

Special Instructions: Special Instructions: NOT ALL SAMPLES WILL BE ANALYZED!! Samples were collected in Hi/Lo volume pairs. Only one sample from each pair will be analyzed. In general, the Hi volume will be analyzed, if the sample is overloaded, then the Lo sample should be analyzed, if any fibers are detected, please analyze by NIOSH 7402. The matrix for all samples is air. The media used is SKC 225-321 a 0.8 um mixed cellulose ester filter from Lot 22513-7E6-399.	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
31	<i>Elin L. REAC/ERT</i>	8/28/23 ^{12:09 PM}			

