



21 Griffin Road North
Windsor, CT 06095 860-298-9692

AIR SAMPLE ANALYSIS REPORT

Edition: November 2019
Supersedes Previous Edition

Page 147 of

Client: UI Project No.: 263951.00028.0001 Date: 1-3-20 Signature: Tyler McGillicuddy Date: 1-3-20
Site: ES station B Demo Sampler Print: Tyler McGillicuddy AAR ID: 4725 Analyst Print: Tyler McGillicuddy Signature: Tyler McGillicuddy Date: 1-3-20
Address: 510 Grand Ave. QC Analyst Print: Williamson Signature: Williamson Date: 1/15/20
New Haven, CT Lab Supervisor Print: Williamson Signature: Williamson Date: 1/15/20

Contact/Name: McKearney Phone: L-34 Rotameter No.: 22002 Date of Calibration: 11-19-14 Lab No. 54668
Microscope No. 22002 Received in Lab for Analysis: ☐ QC Only: ☒ ☐ AHERA ☐ Other: ☐

Sample Type: ☒ PCM ☐ TEM ☐ Other: ☐ Analysis Method: ☒ NIOSH 7400 ☐ AHERA ☐ Other: ☐
Issue 2 8/15/94 A rules

Type of Sample: 1. Background 2. Prep. 3. Work Area 4. Environmental 5. Personal 6. Clearance

Relative Standard Deviation (Sr)		
Range	Intra-lab Sr	Inter-lab Sr
<20/100	0.412	0.597
20.5 to 50/100	0.415	0.403
>50/100	0.218	0.333

Sample No.	770	771	772	773	774
Sampling Location/Comments	SE corner	SW corner	NE corner	SB	FB
Type of Sample	1	1	1		
Pump Number	1	3	4		
Start Time/Stop Time	8:40 15:00	8:44 15:04	8:45 15:05		
Total Time (min)	380	380	380		
Flow Rate	3 3	3 3	3 3		
Total Volume (l)	1140	1140	1140		
FB — BFB FL	3/100	2/100	2/100	0/100	0/100
Filter Fiber Conc. (fibers/mm ²)	3.82	2.54	2.54	-	-
Airborne Fiber Conc. (fibers/cc)	ND<0.002	ND<0.002	ND<0.002	-	-

STANDARDS
<0.01 f/cc — EPA Re-Occupancy Clearance Criteria
0.10 f/cc — OSHA Permissible Exposure Limit (8 hr. TWA)
1.0 f/cc — OSHA 30 min Excursion Level
ND< — Non Detected, less than the limit of detection
Limit of Detection — 5.5 fibers/100 fields

Relinquished by: Tyler McGillicuddy Date: 1-14-20 Time: 17:00
Received By: Williamson Date: 1/15/20 Time: 0900
Relinquished by: Williamson Date: 1/15/20 Time: 0900
Received by Laboratory: Williamson Date: 1/15/20 Time: 0900

TRC Laboratory Asbestos Analytical Certifications:
AZ0944 CT#PH-0426 CO AL-2172 HI # L-09-004 MA # AA000052
LA-0075 NY # 10980 RI # PCM00007 TX # 300354
VA # 333000283 VT # AL910359 VA 333000283 WV # LT000622
Philadelphia # 461 AIHA IHLAP # 100122 AIHA PAT# 100122
Results relate only to the samples tested, as received by the laboratory. Verifiability of the laboratory's results is limited to the FB/mm².

Condition of Samples: ☒ Y ☐ N
Acceptable: ☒ Y ☐ N
Comments: AIHA Registry Programs Asbestos Analyst Registry
Organization ID: 100122

QC Record		
Sample No.	FB/FL	Analyst/Date
770	3/100	Williamson 1/15/20
		Lab



21 Griffin Road North
Windsor, CT 06095 860-298-9692

AIR SAMPLE ANALYSIS REPORT

Client: VI

Site: E's station B Demo

Address: 510 Grand Ave

Near Haven, CT

Contact/Name: M. Karmay Phone: _____

Relative Standard Deviation (Sr)		
Range Fibers/fields	Intra-lab Sr	Inter-lab Sr
<20/100	0.412	0.597
20.5 to 50/100	0.415	0.403
>50/100	0.218	0.333

Sample No.	775	776	777	778	779	780
Sampling Location/Comments	NE corner	SE corner	SW corner	NW corner	SB	FB
Type of Sample	1	1	1	1		
Pump Number	1	2	3	4		
Start Time/Stop Time	8:27 15:42	8:20 15:43	8:24 15:24	8:30 15:15		
Total Time (min)	4:05	4:05	4:05	4:05		
Flow Rate	3 3	3 3	3 3	3 3		
Total Volume (l)	1215	1215	1215	1215		
FB — BFB FL — BFL	5/100	2/100	2/100	4/100	0/100	
Filter Fiber Conc. (fibers/mm ²)	5.88	2.54	2.54	5.04	-	-
Airborne Fiber Conc. (fibers/cc)	ND<0.002	ND<0.002	ND<0.002	ND<0.002	-	-

STANDARDS	Relinquished by: <u>Tyler MacCallum</u>	Date: <u>2/11/20</u>	Time: <u>20:20</u>
<0.01 f/cc — EPA Re-Occupancy Clearance Criteria	Received By: <u>Tyler MacCallum</u>	Date: <u>2/12/20</u>	Time: <u>09:00</u>
0.10 f/cc — OSHA Permissible Exposure Limit (8 hr. TWA)	Relinquished by: _____	Date: _____	Time: _____
1.0 f/cc — OSHA 30 min Excursion Level	Received by Laboratory: _____	Date: _____	Time: _____
ND< — Non Detected, less than the limit of detection			
Limit of Detection — 5.5 fibers/100 fields			

TRC Laboratory Asbestos Analytical Certifications:

MA # AZ0944 CT#PH-0426 CO AL-21772 HI # L-09-004 MA # AA0000052

ME # LA-0075 NY # 10980 RI # PCMO0007 TX # 300354

VA # 333000283 VT # AL910359 VA 333000283 WV # LT000622

Philadelphia # 461 AIHA IHLAP # 100122 AIHA PAT# 100122

Results relate only to the samples tested, as received by the laboratory. Verifiability of the laboratory's results is limited to the FB/mm².

QC Recount			
Sample No.	FB/FL	Analyst/Date	Field/Lab
777	0/100	CL 2/12/20	Lab

Project No.: 263951.00028.0001 Date: 1-6-20 Page 148 of _____

Sampler Print: Tyler MacCallum Signature: Tyler MacCallum Date: 1-6-20

Analyst Print: Tyler MacCallum Signature: Tyler MacCallum Date: 1-6-20

QC Analyst Print: C. Lemire Signature: C. Lemire Date: 01/12/2020

Lab Supervisor Print: Tyler MacCallum Signature: Tyler MacCallum Date: 2/12/20

Rotameter No.: L-34 Date of Calibration: 11/14/19 Lab No. 5484

Microscope No. 22002 Received in Lab for Analysis: ☐ QC Only: ☒

Sample Type: ☒ PCM ☐ TEM ☐ Other: _____ Analysis Method: ☒ NIOSH 7400 ☐ AHERA ☐ Other: _____

Type of Sample: 1. Background 2. Prep. 3. Work Area 4. Environmental 5. Personal 6. Clearance



21 Griffin Road North
Windsor, CT 06095 860-298-9692

AIR SAMPLE ANALYSIS REPORT

Client: UI

Site: ES Station B Demo

Address: 510 Grand Ave

New Haven, CT

Contact/Name: M. Kearney Phone: _____

Relative Standard Deviation (Sr)		
Range	Intra-lab Sr	Inter-lab Sr
<20/100	0.412	0.597
20.5 to 50/100	0.415	0.403
>50/100	0.218	0.333

Sample No.	<u>781</u>	<u>782</u>	<u>783</u>	<u>784</u>	<u>785</u>	<u>786</u>
Sampling Location/Comments	<u>NE corner</u>	<u>SE corner</u>	<u>SW corner</u>	<u>NW corner</u>	<u>SB</u>	<u>FB</u>
Type of Sample	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
Pump Number	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
Start Time/Stop Time	<u>7:42 15:12</u>	<u>7:43 15:13</u>	<u>7:44 15:14</u>	<u>7:45 15:15</u>	<u>7:46 15:16</u>	<u>7:47 15:17</u>
Total Time (min)	<u>450</u>	<u>450</u>	<u>450</u>	<u>450</u>	<u>450</u>	<u>450</u>
Flow Rate	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
Total Volume (l)	<u>1350</u>	<u>1350</u>	<u>1350</u>	<u>1350</u>	<u>1350</u>	<u>1350</u>
FB — BFB FL — BFL	<u>2/100</u>	<u>3/100</u>	<u>2/100</u>	<u>2/100</u>	<u>0/100</u>	<u>0/100</u>
Filter Fiber Conc. (fibers/mm ²)	<u>2.54</u>	<u>3.82</u>	<u>2.54</u>	<u>2.54</u>	<u>—</u>	<u>—</u>
Airborne Fiber Conc. (fibers/cc)	<u>ND < 0.002</u>	<u>ND < 0.002</u>	<u>ND < 0.002</u>	<u>ND < 0.002</u>	<u>—</u>	<u>—</u>

STANDARDS	
<0.01 f/cc — EPA Re-Occupancy Clearance Criteria	
0.10 f/cc — OSHA Permissible Exposure Limit (8 hr. TWA)	
1.0 f/cc — OSHA 30 min Excursion Level	
ND < — Non Detected, less than the limit of detection	
Limit of Detection — 5.5 fibers/100 fields	

TRC Laboratory Asbestos Analytical Certifications:
AZ # AZ0944 CT#PH-0426 CO AL-21772 HI # L-09-004 MA # AA000052
ME # LA-0075 NY # 10980 RI # PCMO0007 TX # 300354
VA # 333000283 VT # AL910359 VA 333000283 WV # LT0000622
Philadelphia # 461 AIHA IHLAP # 100122 AIHA PAT# 100122
Results relate only to the samples tested, as received by the laboratory. Verifiability of the laboratory's results is limited to the FB/mm².

Edition: November 2019
Supersedes Previous Edition

Project No.: 263951.00028.0001 Date: 1-7-20 Page 149 of _____

Sampler Print: Tyler Mackillway Signature: Tyler Mackillway Date: 1-7-20

Analyst Print: Tyler Mackillway Signature: Tyler Mackillway Date: 1-7-20

QC Analyst Print: C. Lemire Signature: C. Lemire Date: 2/11/2020

Lab Supervisor Print: W. Morrison Signature: W. Morrison Date: 2/12/20

Rotameter No.: L-34 Date of Calibration: 11/19/19 Lab No. 54811

Microscope No.: 22002 Received in Lab for Analysis: ☐ QC Only: ☒ AHERA ☐ Other: _____

Sample Type: ☒ PCM ☐ TEM ☐ Other: _____ Analysis Method: ☒ NIOSH 7400 ☐ AHERA ☐ Other: _____

Type of Sample: 1. Background 2. Prep. 3. Work Area 4. Environmental 5. Personal 6. Clearance

Issue 2 8/15/94 A rules

Condition of Samples: _____

Acceptable: Y ☒ N ☐

Comments: _____

AIHA Registry Programs Asbestos Analyst Registry

Organization ID: 100122

Relinquished by: Tyler Mackillway Date: 2-11-20 Time: 20:20

Received By: W. Morrison Date: 2/12/20 Time: 0900

Relinquished by: _____ Date: _____ Time: _____

Received by Laboratory: _____ Date: _____ Time: _____

Condition of Samples: _____

QC Recount

Sample No. _____ FB/FL _____ Analyst/Date _____ Field/Lab _____



21 Griffin Road North
Windsor, CT 06095 860-298-9692

AIR SAMPLE ANALYSIS REPORT

Client: UI

Site: ES Station B Doro/Cable vault

Address: 510 Grand Ave

New Haven, CT

Contact/Name: M. Korney Phone: _____

Rotameter No.: L-34

Microscope No.: 22002

Date of Calibration: 11/19/19 Lab No. 54811

Relative Standard Deviation (Sr)		
Range Fibers/fields	Intra-lab Sr	Inter-lab Sr
<20/100	0.412	0.597
20.5 to 50/100	0.415	0.403
>50/100	0.218	0.333

Sample Type: ☒ PCM ☐ TEM ☐ Other: _____
Analysis Method: ☒ NIOSH 7400 ☐ AHERA ☐ Other: _____
Received in Lab for Analysis: ☐ QC Only: ☒

Type of Sample: 1. Background 2. Prep. 3. Work Area 4. Environmental 5. Personal 6. Clearance

Sample No.	787	788	789	790	791	792
Sampling Location/Comments	NE corner	SE corner	SW corner	NW corner	SB	FB
Type of Sample	1	1	1	1		
Pump Number	1	2	3	4		
Start Time/Stop Time	7:57 15:20	7:58 15:21	7:59 15:22	8:00 15:23		
Total Time (min)	443	443	443	443		
Flow Rate	3 3	3 7	3 3	3 3		
Total Volume (l)	1329	1329	1329	1329		
FB — BFB FL — BFL	3/100	5/100	7/100	6/100	0/100	0/100
Filter Fiber Conc. (fibers/mm ²)	3.82	6.36	8.91	7.64	—	—
Airborne Fiber Conc. (fibers/cc)	1000.002	1000.002	0.003	0.002	—	—

Relinquished by: Tyler Mading Date: 2-11-20 Time: 20:20
Received By: [Signature] Date: 2/12/20 Time: 0900
Relinquished by: _____ Date: _____ Time: _____
Received by Laboratory: _____ Date: _____ Time: _____

Condition of Samples: _____
Acceptable: Y ☒ N ☐

Comments: _____
AIHA Registry Programs Asbestos Analyst Registry
Organization ID: 100122
Verifiability of the laboratory's results is limited to the FB/mm².

STANDARDS
<0.01 f/cc — EPA Re-Occupancy Clearance Criteria
0.10 f/cc — OSHA Permissible Exposure Limit (8 hr. TWA)
1.0 f/cc — OSHA 30 min Excursion Level
ND< — Not Detected, less than the limit of detection
Limit of Detection — 5.5 fibers/100 fields

TRC Laboratory Asbestos Analytical Certifications:			
AG # AZ0944	CT#PH-0426	CO AL-21772	HI # L-09-004
MA # AA000052	ME # LA-0075	NY # 10980	RI # PCM00007
TX # 300354	VA # 333000283	VT # AL910359	VA # 333000283
WV # LT000622	Philadelphia # 461	AIHA IHLAP # 100122	AIHA PAT# 100122
Results relate only to the samples tested, as received by the laboratory. Verifiability of the laboratory's results is limited to the FB/mm ² .			

QC Recount			
Sample No.	FB/FL	Analyst/Date	Field/Lab
789	2/100	CL 2/12/20	Lab



21 Griffin Road North
Windsor, CT 06095 860-298-9692

AIR SAMPLE ANALYSIS REPORT

Client: WT

Site: ES station B Domo/cable vault

Address: 50 Grand Ave
New Haven, CT

Contact/Name: A. Kamef Phone: _____

Relative Standard Deviation (Sr)		
Range Fibers/fields	Intra-lab Sr	Inter-lab Sr
<20/100	0.412	0.597
20.5 to 50/100	0.415	0.403
>50/100	0.218	0.333

Sample No.	793	794	795	796	797	798
Sampling Location/Comments	NE corner	SE corner	SW corner	NW corner	SB	FB
Type of Sample	1	1	1	1		
Pump Number	1	2	3	4		
Start Time/Stop Time	8:00 15:27	8:00 15:28	8:00 15:29	8:04 15:30		
Total Time (min)	446	446	446	446		
Flow Rate	3 3	3 3	3 3	3 3		
Total Volume (l)	1338	1338	1338	1338		
FB — BFB FL — BFL	4/100	3/100	4/100	2/100	0/100	0/100
Filter Fiber Conc. (fibers/mm ²)	509	382	504	254	-	-
Airborne Fiber Conc. (fibers/cc)	ND<0.002	ND<0.002	ND<0.002	ND<0.002	-	-

STANDARDS	Relinquished by: <u>Tyler Macdonald</u>	Date: <u>2-11-20</u>	Time: <u>20:00</u>
<0.01 f/cc — EPA Re-Occupancy Clearance Criteria	Received By: <u>Kellee</u>	Date: <u>2/12/20</u>	Time: <u>0900</u>
0.10 f/cc — OSHA Permissible Exposure Limit (8 hr. TWA)	Relinquished by: _____	Date: _____	Time: _____
1.0 f/cc — OSHA 30 min Excursion Level	Received by Laboratory: _____	Date: _____	Time: _____
ND< — Not Detected, less than the limit of detection			
Limit of Detection — 5.5 fibers/100 fields			

TRC Laboratory Asbestos Analytical Certifications:

AG # AZ0944 CT#PH-0426 CO AL-21772 HI # L-09-004 MA # AA000052
ME # LA-0075 NY # 10980 RI # PCM00007 TX # 300354
VA # 3333000283 VT # AL910359 VA 333000283 WV # LT000622
Philadelphia # 461 AIHA IHLPA # 100122 AIHA PAT# 100122
Results relate only to the samples tested, as received by the laboratory. Verifiability of the laboratory's results is limited to the FB/mm².

Project No.: 263951.00023.0001 Date: 1-9-20 Page 151 of _____

Sampler Print: Tyler Macdonald Signature: Tyler Macdonald Date: 1-9-20

Analyst Print: Tyler Macdonald Signature: Tyler Macdonald Date: 1-9-20

QC Analyst Print: C. Lomize Signature: C. Lomize Date: 2/12/20

Lab Supervisor Print: Kellee Williams Signature: Kellee Williams Date: 2/12/20

Rotameter No.: L-34 Date of Calibration: 11/19/19 Lab No. 54811

Microscope No. 32002 Received in Lab for Analysis: ☐ QC Only: ☒

Sample Type: PCM TEM ☒ Other: _____ Analysis Method: NIOSH 7400 ☒ AHERA ☐ Other: _____

Type of Sample: 1. Background 2. Prep. 3. Work Area 4. Environmental 5. Personal 6. Clearance

Issue 2 8/15/94 A rules

QC Recount

Sample No. 796 797 798

FB/FL 0 1100

Analyst/Date CL 2/12/20

Field/Lab Lab