

Address: 140 Broadway

Bulk Samples
PLM ☒ Yes ☐ No

Number of Negative ($\leq 1\%$) Samples 23 ~~///~~ ~~///~~ ~~///~~ ~~///~~ ~~///~~

Number of Positive ($> 1\%$) Samples 3 ~~///~~

NO FINDING

Air Samples ☒ Yes ☐ No

PCM

Number of Samples Collected (≤ 0.01 f/cc) _____

Number of Samples Collected (> 0.01 f/cc) _____

TEM

Number of Samples Collected (≤ 70 s/mm²) 78 16, 62

Number of Samples Collected (> 70 s/mm²) 0

INDICATES THAT CLEANING DONE

↓

SciLab Job #: 201092023

Client Name: GCI Environmental Advisory, Inc.

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
N01-B-4075; Silverstein Properties; Work Area Various Locations, 140 Broadway

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01**	140-916- 01											
	Blank											
02**	140-916- 02											
	Blank											
03	140-916- 03		1408	.06	0.0046	0.0	0.0	<16.7	<16.7	<0.0046	<0.0046	NSD
04	34th Floor, Northwest Quadrant / AQ											
	140-916- 04		1408	.06	0.0046	0.0	0.0	<16.7	<16.7	<0.0046	<0.0046	NSD
05	34th Floor, Southwest Quadrant / AQ											
	140-916- 05		1870	.05	0.0041	0.0	0.0	<20	<20	<0.0041	<0.0041	NSD
06	32nd Floor, Northwest Quadrant / AQ											
	140-916- 06		1786	.05	0.0043	0.0	0.0	<20	<20	<0.0043	<0.0043	NSD
07	32nd Floor, Southwest Quadrant / AQ											
	140-916- 07		1780	.05	0.0043	0.0	0.0	<20	<20	<0.0043	<0.0043	NSD
08	30th Floor, Northwest Quadrant / AQ											
	140-916- 08		1682	.05	0.0046	0.0	0.0	<20	<20	<0.0046	<0.0046	NSD
09	30th Floor, Southwest Quadrant / AQ											
	140-916- 09		1663	.05	0.0046	0.0	0.0	<20	<20	<0.0046	<0.0046	NSD
10	28th Floor, Northwest Quadrant / AQ											
	140-916- 10		1663	.05	0.0046	0.0	0.0	<20	<20	<0.0046	<0.0046	NSD
11	28th Floor, Southwest Quadrant / AQ											
	140-916- 11		1482	.06	0.0043	0.0	0.0	<16.7	<16.7	<0.0043	<0.0043	NSD
12	26th Floor, Northwest Quadrant / AQ											
	140-916- 12		1482	.06	0.0043	0.0	0.0	<16.7	<16.7	<0.0043	<0.0043	NSD
13	26th Floor, Southwest Quadrant / AQ											
	140-916- 13		1710	.05	0.0045	0.0	0.0	<20	<20	<0.0045	<0.0045	NSD
14	24th Floor, Northwest Quadrant / AQ											
	140-916- 14		1440	.06	0.0045	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	24th Floor, Southwest Quadrant / AQ											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 9/17/01

Aleksandr Barengolts

NVLAP#: 200546-0

SciLab Job #: 201092023

Client Name: GCI Environmental Advisory, Inc.

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
N01-B-4075; Silverstein Properties; Work Area Various Locations, 140 Broadway

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
15	140-916-15 22nd Floor, Northwest Quadrant / AQ		2527	.04	0.0038	0.0	0.0	<25	<25	<0.0038	<0.0038	NSD
16	140-916-16 22nd Floor, Southwest Quadrant / AQ		2640	.04	0.0036	0.0	0.0	<25	<25	<0.0036	<0.0036	NSD
17	140-916-17 Lobby- Southwest Section / AQ		2380	.04	0.0040	0.0	0.0	<25	<25	<0.0040	<0.0040	NSD
18	140-916-18 Lobby, Southeast Section / AQ		2350	.04	0.0041	0.0	0.0	<25	<25	<0.0041	<0.0041	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected



 Reviewed By: _____; Analyzed By:  Date: 9/17/01

Aleksandr Barengolts

NVLAP#: 200546-0

TEM Asbestos (air) Count Sheet

sample area
analyzed

Client Name GCI Environmental Advisory, Inc.

Job #: 201092023

Volume (liters): 1 408.0

Lab Sample #: 03

Filter Type / Filter Area: MCE 385 mm2

Client Sample #: 140-916- 03

Grid Opening Size 0.01000

Received: 09/17/2001

02:10:00

Area Examined 0.05000 mm2

Date Analyzed: 09/17/2001

Magnification 20,000

Scope #:

Accelerating Voltage 100 KeV

Analysis Performed by:

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D8-3/3B	1	NSD								
D8-3/3C	2	NSD								
D8-3/3E	3	NSD								
D8-3/3F	4	NSD								
D9-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments

		Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings:	5			
Chrysotile Asbestos Structures:	0	<20	<0.0055	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures:	0	<20	<0.0055	☒ Intact Grid Opening > 50%
Asbestos Structures ≥5 microns:	0	<20	<0.0055	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:				☒ Folded Replica < 50%
Total Asbestos Structures:	0	<20	<0.0055	☒ Filter Loading < 10
Analytical Sensitivity:		20		☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 1 408.0Lab Sample #: 04Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 04Grid Opening Size 0.01000Received: 09/17/2001 02:10:00Area Examined 0.06000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D10-5/6B	1	NSD								
D10-5/6C	2	NSD								
D10-5/6E	3	NSD								
D10-5/6F	4	NSD								
E6-5/4C	5	NSD								
E6-5/4E	6	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 6			
Chrysotile Asbestos Structures: 0	<16.7	<0.0046	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<16.7	<0.0046	☒ Intact Grid Opening > 50%
Asbestos Structures >=5 microns: 0	<16.7	<0.0046	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<16.7	<0.0046	☒ Filter Loading < 10
Analytical Sensitivity: 16.7			☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed 

Client Name GCI Environmental Advisory, Inc.
Job #: 201092023 Volume (liters): 1 870.0
Lab Sample #: 05 Filter Type / Filter Area: MCE 385 mm2
Client Sample #: 140-916- 05 Grid Opening Size 0.01000
Received: 09/17/2001 02:10:00 Area Examined 0.05000 mm2
Date Analyzed: 09/17/2001 Magnification 20,000
Scope #: Accelerating Voltage 100 KeV

Analysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E7-3/4B	1	NSD								
E7-3/4C	2	NSD								
E7-3/4E	3	NSD								
E7-3/4F	4	NSD								
E8-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 5			
Chrysotile Asbestos Structures: 0	<20	<0.0041	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<20	<0.0041	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<20	<0.0041	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<20	<0.0041	☒ Filter Loading < 10
Analytical Sensitivity: 20			☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 1 786.0Lab Sample #: 06Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 06Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.05000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E9-6/1C	1	NSD								
E9-6/1E	2	NSD								
E9-6/1F	3	NSD								
E9-6/1G	4	NSD								
E10-5./4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments

		Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings:	5			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<20	<0.0043	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<20	<0.0043	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<20	<0.0043	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10
Total Asbestos Structures:	0	<20	<0.0043	☒ Particulate Even
Analytical Sensitivity:		20		

TEM Asbestos (air) Count Sheet

sample area
analyzed

Client Name GCI Environmental Advisory, Inc.

Job #: 201092023

Volume (liters): 1 780.0

Lab Sample #: 07

Filter Type / Filter Area: MCE 385 mm2

Client Sample #: 140-916- 07

Grid Opening Size 0.01000

Received: 09/17/2001 02:10:00

Area Examined 0.05000 mm2

Date Analyzed: 09/17/2001

Magnification 20,000

Scope #:

Accelerating Voltage 100 KeV

Analysis Performed by:

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A1-3/1C	1	NSD								
A1-3/1E	2	NSD								
A1-3/1F	3	NSD								
A1-3/1G	4	NSD								
A2-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 5			
Chrysotile Asbestos Structures: 0	<20	<0.0043	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures 0	<20	<0.0043	☒ Intact Grid Opening > 50%
Asbestos Structures >=5 microns 0	<20	<0.0043	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<20	<0.0043	☒ Filter Loading < 10
Analytical Sensitivity: 20			☒ Particulate Even

TEM Asbestos (air) Count Sheet

sample area
analyzed



Client Name GCI Environmental Advisory, Inc.

Job #: 201092023

Volume (liters): 1 682.0

Lab Sample #: 08

Filter Type / Filter Area: MCE 385 mm2

Client Sample #: 140-916- 08

Grid Opening Size 0.01000

Received: 09/17/2001

02:10:00

Area Examined 0.05000 mm2

Date Analyzed: 09/17/2001

Magnification 20,000

Scope #:

Accelerating Voltage 100 KeV

Analysis Performed by:

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A3-5/1C	1	NSD								
A3-5/1E	2	NSD								
A3-5/1F	3	NSD								
A3-5/1G	4	NSD								
A4-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 5			
Chrysotile Asbestos Structures: 0	<20	<0.0046	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<20	<0.0046	☒ Intact Grid Opening > 50%
Asbestos Structures ≥5 microns: 0	<20	<0.0046	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<20	<0.0046	☒ Filter Loading < 10
Analytical Sensitivity: 20			☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 1 663.0Lab Sample #: 09Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 09Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.05000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A5-5/1B	1	NSD								
A5-5/1C	2	NSD								
A5-5/1E	3	NSD								
A5-5/1F	4	NSD								
B1-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

CommentsStructure Density Concentration

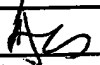
		(str/mm2)	(str/cc air)
Total Grid Openings:	5		
Chrysotile Asbestos Structures:	0	<20	<0.0046
Amphibole Asbestos Structures:	0	<20	<0.0046
Asbestos Structures ≥ 5 microns:	0	<20	<0.0046
Total Non-Asbestos Structures:			
Total Asbestos Structures:	0	<20	<0.0046
Analytical Sensitivity:		20	

Grid Evaluation

- ☒ Grid Openings Covered > 50%
- ☒ Intact Grid Opening > 50%
- ☒ Undissolved Filter < 10%
- ☒ Folded Replica < 50%
- ☒ Filter Loading < 10
- ☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 1 663.0Lab Sample #: 10Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 10Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.05000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

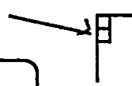
Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
B2-5/1C	1	NSD								
B2-5/1E	2	NSD								
B2-5/1F	3	NSD								
B2-5/1G	4	NSD								
B3-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 5			
Chrysotile Asbestos Structures: 0	<20	<0.0046	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<20	<0.0046	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<20	<0.0046	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<20	<0.0046	☒ Filter Loading < 10
Analytical Sensitivity: 20			☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 1 482.0Lab Sample #: 12Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 12Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.06000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeV

Analysis Performed by:


Aleksandr Barengolts

Location	Grid Opening	Fiber .	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C1.4/6C	1	NSD								
C1.4/6E	2	NSD								
C1.4/6F	3	NSD								
C1.4/6G	4	NSD								
C2.4/4C	5	NSD								
C2.4/4E	6	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 6			
Chrysotile Asbestos Structures: 0	<16.7	<0.0043	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<16.7	<0.0043	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<16.7	<0.0043	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<16.7	<0.0043	☒ Filter Loading < 10
Analytical Sensitivity: 16.7			☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed **Client Name** GCI Environmental Advisory, Inc.**Job #:** 201092023**Volume (liters):** 1 710.0**Lab Sample #:** 13**Filter Type / Filter Area:** MCE 385 mm2**Client Sample #:** 140-916- 13**Grid Opening Size** 0.01000**Received:** 09/17/2001

02:10:00

Area Examined 0.05000 mm2**Date Analyzed:** 09/17/2001**Magnification** 20,000**Scope #:****Accelerating Voltage** 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C3-5/1C	1	NSD								
C3-5/1E	2	NSD								
C3-5/1F	3	NSD								
C3-5/1G	4	NSD								
C4-5/4C	5	NSD								

NSD: No Asbestos Structures Detected

Comments**Structure Density****Concentration****Grid Evaluation**

		(str/mm2)	(str/cc air)	
Total Grid Openings:	5			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<20	<0.0045	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<20	<0.0045	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<20	<0.0045	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10
Total Asbestos Structures:	0	<20	<0.0045	☒ Particulate Even
Analytical Sensitivity:		20		

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 1 440.0Lab Sample #: 14Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 14Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.06000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C5-4/6F	1	NSD								
C5-4/6G	2	NSD								
C5-4/6H	3	NSD								
C5-4/6K	4	NSD								
D1-5/4C	5	NSD								
D1-5/4E	6	NSD								

NSD: No Asbestos Structures Detected

Comments

		Structure Density	Concentration	Grid Evaluation
		(str/mm2)	(str/cc air)	
Total Grid Openings:	6			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<16.7	<0.0045	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<16.7	<0.0045	☒ Undissolved Filter < 10%
Asbestos Structures >=5 microns:	0	<16.7	<0.0045	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10
Total Asbestos Structures:	0	<16.7	<0.0045	☒ Particulate Even
Analytical Sensitivity:		16.7		

TEM Asbestos (air) Count Sheetsample area
analyzed 

Client Name GCI Environmental Advisory, Inc.
Job #: 201092023 Volume (liters): 2 527.0
Lab Sample #: 15 Filter Type / Filter Area: MCE 385 mm2
Client Sample #: 140-916- 15 Grid Opening Size 0.01000
Received: 09/17/2001 02:10:00 Area Examined 0.04000 mm2
Date Analyzed: 09/17/2001 Magnification 20,000
Scope #: Accelerating Voltage 100 KeV

Analysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D2-4/1C	1	NSD								
D2-4/1E	2	NSD								
D2-4/1F	3	NSD								
D3-5/4C	4	NSD								

NSD: No Asbestos Structures Detected

Comments

		Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings:	4			
Chrysotile Asbestos Structures:	0	<25	<0.0038	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures:	0	<25	<0.0038	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns:	0	<25	<0.0038	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:				☒ Folded Replica < 50%
Total Asbestos Structures:	0	<25	<0.0038	☒ Filter Loading < 10
Analytical Sensitivity:		25		☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 2 640.0Lab Sample #: 16Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 16Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.04000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D4-4/3F	1	NSD								
D4-4/3G	2	NSD								
D4-4/3H	3	NSD								
D5-5/4C	4	NSD								

NSD: No Asbestos Structures Detected

Comments

		Structure Density	Concentration	Grid Evaluation
		(str/mm2)	(str/cc air)	
Total Grid Openings:	4	<25	<0.0036	☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<25	<0.0036	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<25	<0.0036	☒ Undissolved Filter < 10%
Asbestos Structures >=5 microns:	0	<25	<0.0036	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10
Total Asbestos Structures:	0	<25	<0.0036	☒ Particulate Even
Analytical Sensitivity:		25		

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 2 380.0Lab Sample #: 17Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 17Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.04000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E1.4/3C	1	NSD								
E1.4/3E	2	NSD								
E1.4/3F	3	NSD								
E2.4/3	4	NSD								

NSD: No Asbestos Structures Detected

Comments

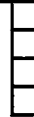
	Structure Density (str/mm2)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 4			
Chrysotile Asbestos Structures: 0	<25	<0.0040	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<25	<0.0040	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<25	<0.0040	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<25	<0.0040	☒ Filter Loading < 10
Analytical Sensitivity: 25			☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed Client Name GCI Environmental Advisory, Inc.Job #: 201092023Volume (liters): 2 350.0Lab Sample #: 18Filter Type / Filter Area: MCE 385 mm2Client Sample #: 140-916- 18Grid Opening Size 0.01000Received: 09/17/2001

02:10:00

Area Examined 0.04000 mm2Date Analyzed: 09/17/2001Magnification 20,000Scope #:Accelerating Voltage 100 KeVAnalysis Performed by: 

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E3-5/4E	1	NSD								
E3-5/4F	2	NSD								
E3-5/4G	3	NSD								
E4-4/4C	4	NSD								

NSD: No Asbestos Structures Detected

Comments

	Structure Density (str/mm2)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 4			
Chrysotile Asbestos Structures: 0	<25	<0.0041	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<25	<0.0041	☒ Intact Grid Opening > 50%
Asbestos Structures >=5 microns: 0	<25	<0.0041	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<25	<0.0041	☒ Filter Loading < 10
Analytical Sensitivity: 25			☒ Particulate Even

ENVIRONMENTAL ADVISORY, INC.
AIR MONITORING/EXPOSURE DATA SHEET

PAGE 1

201092023

CLIENT: Silvestre Properties
ADDRESS: 140 Broadway
CITY: New York

DATE COLLECTED: 9/16/2001
COLLECTED BY: A. J. Pinner
NOTOMETER #: 82016
SIGNATURE: [Signature]
DATE RECEIVED: 9/16/2001
RECEIVED BY: A. J. Pinner
DATE ANALYZED: [Blank]
ANALYZED BY: [Blank]

10 SAMPLE # 1401916 01 LAB # [Blank] /mm²
10 SAMPLE # 1401916 02 LAB # [Blank] /mm²

Sample # Pump #	Lab #	Flow Rate		Time		Volume	Sample Location	Sample Type	F/CC	DL
		Start/Stop	Average	Start/Stop	Elapsed					
140 916 03		8	8	1215	1511	1408	34 FI - Northwest Quadrant	AQ		
140 916 04		8	8	1217	1113	1408	34 FI - Southwest Quadrant	AQ		
140 916 05		10	10	1219	1526	1870	32 FI - Northwest Quadrant	AQ		
140 916 06		9.5	9.5	1220	1528	178	32 FI - Southwest Quadrant	AQ		
140 916 07		10	10	1223	1521	178	30 FI - Northwest Quadrant	AQ		

Sample Types:

- PAS Pre-abatement Air Sample
- GR Glovebag Removal
- TR Tent Removal
- AFC Area Pre-cleaning
- AP Area Preparation
- AR Asbestos Removal
- AC Area Cleaning
- FCE Final Cleaning and Encapsulation
- CAS Clearance Air Sample

Sample Nomenclature: 1 - 2 - 3 - 4

- Unique building or street number
- Floor where sample was collected
- Date of sample collection in Month/Day format
- Consecutive number, reserving 01 and 02 for sample blanks

Sample Location: Start with floor number, follow with exact location on floor of sample, including pertinent landmarks, i.e., "Clean Room of Waste Decon.", "10 feet from Critical Barrier", "near HEPA exhaust", etc.

Sampling Notes:

Oct-16-01 08:06A GCI NYC

212 9869464

P.02

GCI ENVIRONMENTAL ADVISORY, INC.

655 Third Avenue

New York, NY 10017

(212) 986-9460

Fax: (212) 986-9464

October 15, 2001

Mr. Bill Dacunto
Silverstein Properties, Inc.
521 Fifth Avenue
New York, NY 10175

RE: 140 Broadway - 21st - 51st Floor

Dear Mr. Dacunto,

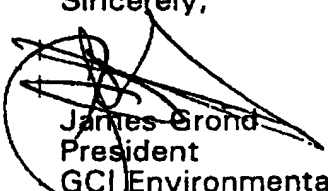
I am enclosing the Laboratory Analysis for the ambient air samples collected from within each above referenced floor area on October 13, 2001 during "normal" building activities.

Air sampling was performed within two (2) areas per floor utilizing 0.45 micron pore size, polycarbonate sampling cassettes employing high volume air sampling pumps. A minimum of One Thousand Two Hundred Fifty (1250) liters of air was collected to provide a detection limit below 0.0044 struct/cc (structures per cubic centimeter). All samples were pre- and post-calibrated by means of a precision rotometer that had been calibrated with a primary standard. Sampling blanks were collected and submitted with each group of samples analyzed. Air sample analysis was according to Environmental Protection Agency (EPA) defined methodologies with results reported as structures of asbestos detected. Laboratory Analysis was performed by an ELAP approved and NVLAP accredited laboratory.

Laboratory analysis for each collected sample from each floor and area indicated no detected asbestos structures.

Should you have any questions or need additional information, please contact me at (212) 986-9460.

Sincerely,



James Grond
President
GCI Environmental Advisory, Inc.

Att.

JFG/gj

GCI ENVIRONMENTAL ADVISORY, INC.

655 Third Avenue

New York, NY 10017

(212) 986-9460

Fax: (212) 986-9464

September 17, 2001

RECEIVED
OCT 24 2001

Mr. William Dacunto
Silverstein Properties, Inc.
140 Broadway
New York, NY 10005

BY:.....

RE: Various Floors

Dear Mr. Dacunto,

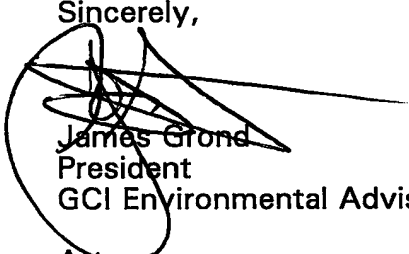
I am enclosing the Laboratory Analysis for the ambient air samples collected from Northwestern and Southwestern portions of the 49th, 47th, 45th, 43rd, 41st, 40th, 38th, 36th, 34th, 32nd, 30th, 28th, 26th, 24th, 22nd and the Southwest and Southeast sections of the lobby within the building located at 140 Broadway, New York, NY during September 15-16, 2001.

Air sampling was conducted utilizing 0.45 micron pore size, polycarbonate sampling cassettes employing high volume air sampling pumps. Samples were collected of representative "fresh air" at both the 3rd and 35th Floors during normal building activities. A minimum of One Thousand Three Hundred (1300) liters of air was collected to provide a detection limit below 0.0027 struct/cc (structures per cubic centimeter). All samples were pre- and post-calibrated by means of a precision rotometer that had been calibrated with a primary standard. Sampling blanks were collected and submitted with each group of samples analyzed. Air sample analysis was according to Environmental Protection Agency (EPA) defined methodologies with results reported as structures of asbestos detected. Laboratory Analysis was performed by an ELAP approved and NVLAP accredited laboratory.

Laboratory analysis for each collected sample from each floor and area indicated **no detected asbestos structures.**

Should you have any questions or need additional information, please contact me at (212) 986-9460.

Sincerely,



James Grond
President
GCI Environmental Advisory, Inc.

Att.

JFG/gj

SciLab Job #: 201102277
Client Name: GCI Environmental Advisory, Inc.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
N01-D-4122; Silverstein Properties Inc.; 140 Broadway (Air Quality)

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microscopic)		Structure Density (struc/bq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01**	140 1013 01											
	Field Blank											
02**	140 1013 02											
	Field Blank											
03	140 1013 03		1450	.06	0.0044	0.0	0.0	<16.7	<16.7	<0.0044	<0.0044	NSD
	29th Floor - North Side Of Floor / AQ											
04	140 1013 04		1430	.06	0.0045	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	29th Floor - South Side Of Floor / AQ											
05	140 1013 05		1360	.06	0.0047	0.0	0.0	<16.7	<16.7	<0.0047	<0.0047	NSD
	28th Floor - East Side Of Floor / AQ											
06	140 1013 06		1330	.06	0.0048	0.0	0.0	<16.7	<16.7	<0.0048	<0.0048	NSD
	28th Floor - West / AQ											
07	140 1013 07		1320	.06	0.0049	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
	27th Floor - North Side Of Floor / AQ											
08	140 1013 08		1310	.06	0.0049	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
	27th Floor - South Side Of Floor / AQ											
09	140 1013 09		1264	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	26th Floor - East Side Of Floor / AQ											
10	140 1013 10		1280	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	26th Floor - West Side Of Floor / AQ											
11	140 1013 11		1256	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	25th Floor - North Side Of Floor / AQ											
12	140 1013 12		1256	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	25th Floor - South Side Of Floor / AQ											
13	140 1013 13		1250	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	24th Floor - East Side Of Floor / AQ											
14	140 1013 14		1270	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	24th Floor - West Side Of Floor / AQ											

* concentrations generated by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 10/14/01

Mark Poyakhor

NVLAP#: 200546-0

SciLab Job #: 201102277
Client Name: GCI Environmental Advisory, Inc.

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

N01-D-4122; Silverstein Properties Inc.; 140 Broadway (Air Quality)

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/oc air)	Asbestos Structures Detected (Micros)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/oc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
15	140 1013 15		1256	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	23rd Floor - North Side Of Floor / AQ											
16	140 1013 16		1256	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	23rd Floor - South Side Of Floor / AQ											
17	140 1013 17		1280	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	22nd Floor - East Side Of Floor / AQ											
18	140 1013 18		1264	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	22nd Floor - West Side Of Floor / AQ											
19	140 1013 19		1288	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	21st Floor - North Side Of Floor / AQ											
20	140 1013 20		1272	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	21st Floor - South Side Of Floor / AQ											
21	140 1013 21		1550	.06	0.0041	0.0	0.0	<16.7	<16.7	<0.0041	<0.0041	NSD
	30th Floor - East Side Of Floor / AQ											
22	140 1013 22		1530	.06	0.0042	0.0	0.0	<16.7	<16.7	<0.0042	<0.0042	NSD
	30th Floor - West Side Of Floor / AQ											
23	140 1013 23		1490	.06	0.0043	0.0	0.0	<16.7	<16.7	<0.0043	<0.0043	NSD
	31st Floor - North Side Of Floor / AQ											
24	140 1013 24		1480	.06	0.0043	0.0	0.0	<16.7	<16.7	<0.0043	<0.0043	NSD
	31st Floor - South Side Of Floor / AQ											
25	140 1013 25		1520	.06	0.0042	0.0	0.0	<16.7	<16.7	<0.0042	<0.0042	NSD
	32nd Floor - East Side Of Floor / AQ											
26	140 1013 26		1550	.06	0.0041	0.0	0.0	<16.7	<16.7	<0.0041	<0.0041	NSD
	32nd Floor - West Side Of Floor / AQ											
27	140 1013 27		1570	.06	0.0041	0.0	0.0	<16.7	<16.7	<0.0041	<0.0041	NSD
	33rd Floor - North Side Of Floor / AQ											
28	140 1013 28		1580	.06	0.0041	0.0	0.0	<16.7	<16.7	<0.0041	<0.0041	NSD
	33rd Floor - South Side Of Floor / AQ											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 10/14/01

Mark Prysakhor

NVLAP#: 200546-0

Oct-16-01 08:07A GCI NYC

212 9869464

P.05

SciLab Job #: 201102277

Client Name: GCI Environmental Advisory, Inc.

Table 1

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
N01-D-4122; Silverstein Properties Inc.; 140 Broadway (Air Quality)

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
29	140 1013 29		1610	.05	0.0048	0.0	0.0	<20	<20	<0.0048	<0.0048	NSD
	34th Floor - East Side Of Floor / AQ											
30	140 1013 30		1610	.05	0.0048	0.0	0.0	<20	<20	<0.0048	<0.0048	NSD
	34th Floor - West Side Of Floor / AQ											
31	140 1013 31		1610	.05	0.0048	0.0	0.0	<20	<20	<0.0048	<0.0048	NSD
	35th Floor - North Side Of Floor / AQ											
32	140 1013 32		1600	.05	0.0048	0.0	0.0	<20	<20	<0.0048	<0.0048	NSD
	35th Floor - South Side Of Floor / AQ											
33	140 1013 33		1400	.06	0.0046	0.0	0.0	<16.7	<16.7	<0.0046	<0.0046	NSD
	36th Floor - East Side Of Floor / AQ											
34	140 1013 34		1400	.06	0.0046	0.0	0.0	<16.7	<16.7	<0.0046	<0.0046	NSD
	36th Floor - West Side Of Floor / AQ											
35	140 1013 35		1420	.06	0.0045	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	37th Floor - North Side Of Floor / AQ											
36	140 1013 36		1410	.06	0.0046	0.0	0.0	<16.7	<16.7	<0.0046	<0.0046	NSD
	37th Floor - South Side Of Floor - MER / AQ											
37	140 1013 37		1590	.06	0.0040	0.0	0.0	<16.7	<16.7	<0.0040	<0.0040	NSD
	38th Floor - East Side Of Floor / AQ											
38	140 1013 38		1590	.05	0.0048	0.0	0.0	<20	<20	<0.0048	<0.0048	NSD
	38th Floor - West Side Of Floor / AQ											
39	140 1013 39		1450	.06	0.0044	0.0	0.0	<16.7	<16.7	<0.0044	<0.0044	NSD
	39th Floor - North Side Of Floor / AQ											
40	140 1013 40		1440	.06	0.0045	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	39th Floor - South Side Of Floor / AQ											
41	140 1013 41		1400	.06	0.0046	0.0	0.0	<16.7	<16.7	<0.0046	<0.0046	NSD
	40th Floor - East Side Of Floor / AQ											
42	140 1013 42		1430	.06	0.0045	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	40th Floor - West Side Of Floor / AQ											

* concentrations represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Mark Poyarkov

Date: 10/14/01

NYLAPP: 2005-06-0

Oct-16-01 08:07A GCI NYC

212 9869464

P.06

SciLab Job #: 201102277

Client Name: GCI Environmental Advisory, Inc.

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

N01-D-4122; Silverstein Properties Inc.; 140 Broadway (Air Quality)

(9)

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)	Structure Density (struc/eq. mm.)	Structure Concentration (struc/cc air)	Type of Asbestos
						0.5-5.0	>5.0	Total	
43	140 1013 43 41st Floor - North Side Of Floor / AQ		1413	.06	0.0045	0.0	0.0	<16.7	NSD
44	140 1013 44 41st Floor - South Side Of Floor / AQ		1358	.06	0.0047	0.0	0.0	<16.7	NSD
45	140 1013 45 42nd Floor - East Side Of Floor / AQ		1560	.05	0.0049	0.0	0.0	<20	NSD
46	140 1013 46 42nd Floor - West Side Of Floor / AQ		1550	.06	0.0041	0.0	0.0	<16.7	NSD
47	140 1013 47 43rd Floor - North Side Of Floor / AQ		1424	.06	0.0045	0.0	0.0	<16.7	NSD
48	140 1013 48 43rd Floor - South Side Of Floor / AQ		1424	.06	0.0045	0.0	0.0	<16.7	NSD
49	140 1013 49 44th Floor - East Side Of Floor / AQ		1420	.06	0.0045	0.0	0.0	<16.7	NSD
50	140 1013 50 44th Floor - West Side Of Floor / AQ		1420	.06	0.0045	0.0	0.0	<16.7	NSD
51	140 1013 51 45th Floor - North Side Of Floor / AQ		1700	.05	0.0045	0.0	0.0	<20	NSD
52	140 1013 52 45th Floor - South Side Of Floor / AQ		1700	.05	0.0045	0.0	0.0	<20	NSD
53	140 1013 53 46th Floor - East Side Of Floor / AQ		1640	.05	0.0047	0.0	0.0	<20	NSD
54	140 1013 54 46th Floor - West Side Of Floor / AQ		1660	.05	0.0046	0.0	0.0	<20	NSD
55	140 1013 55 47th Floor - North Side Of Floor / AQ		1620	.05	0.0048	0.0	0.0	<20	NSD
56	140 1013 56 47th Floor - South Side Of Floor / AQ		1630	.05	0.0047	0.0	0.0	<20	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 10/14/01

Mark Prysakthov

NYLAP#: 200546-0

Oct-16-01 08:07A GCI NYC

212 9869464

P.07

SciLab Job #: 201102277
Client Name: GCI Environmental Advisory, Inc.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
N01-D-4122; Silverstein Properties Inc.; 140 Broadway (Air Quality)

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microscopic)	Asbestos Structures Detected (Microscopic)	Structure Density (struc/sq. mm.)	Structure Concentration (struc/cc air)	Type of Asbestos
						>5.0	Total	>5.0	Total	
57	140 1013 57		1610	.05	0.0048	0.0	0.0	<20	<0.0048	NSD
	42nd Floor - East Side Of Floor / AQ									
58	140 1013 58		1620	.05	0.0048	0.0	0.0	<20	<0.0048	NSD
	42nd Floor - West Side Of Floor / AQ									
59	140 1013 59		1400	.06	0.0046	0.0	0.0	<16.7	<0.0046	NSD
	49th Floor - North Side Of Floor / AQ									
60	140 1013 60		1400	.06	0.0046	0.0	0.0	<16.7	<0.0046	NSD
	49th Floor - South Side Of Floor / AQ									
61	140 1013 61		1380	.06	0.0046	0.0	0.0	<16.7	<0.0046	NSD
	50th Floor - East Side Of Floor / AQ									
62	140 1013 62		1380	.06	0.0046	0.0	0.0	<16.7	<0.0046	NSD
	50th Floor - West Side Of Floor / AQ									
63	140 1013 63		1350	.06	0.0048	0.0	0.0	<16.7	<0.0048	NSD
	51st Floor - North Side Of Floor / AQ									
64	140 1013 64		1360	.06	0.0047	0.0	0.0	<16.7	<0.0047	NSD
	51st Floor - South Side Of Floor / AQ									
65**	140 1013 65									
	Field Blank									
66**	140 1013 66									
	Field Blank									
67**	140 1013 67									
	Field Blank									
68**	140 1013 68									
	Field Blank									
69**	140 1013 69									
	Field Blank									

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 10/14/01

Mark Poyashkov

NYLAB#: 200546-0

Chain of Custody Investigation - 146 Broadway Advanced Environmental Corp.
 Client & Project Location EC

Sample Number	Material	Location	Quantity
0913010101	Debris Material	Lobby - adjacent Security desk	
0913010102	Debris Material	Lobby - adjacent elevator bank 2F-27	
0913010103	Debris Material	Lobby - Cedar St. side adjacent revolving door	
0913010104	Debris Material	Lobby - adjacent elevator bank 1-10	
0913010105	Debris Material	Lobby - Corner Nassau/Cedar St. adjacent revolving door	
0913010106	Debris Material	Lobby - Cedar St. side adjacent doors	
0913010107	Debris Material	Lobby - within Convenience Store	
0913010108	Debris Material	Lobby - former bank space	
0913010109	Debris Material	Lobby - former bank space	
0913010110	Debris Material	R. 14 Fresh Air Intake	

0913010111 ☒ PLM ☐ TEM ☐ NOB ☐ Other Level 30 - Fresh Air Intake Requested Completion Date/Time ASAP

Sample #(s) 1 Total Samples # 1 Batch # 1015-038

Relinquished by: [Signature] Date: 9.13.01 Time: 10:15 Project # 1015-038

Received by: [Signature] Date: 9.13.01 Time: 10:15 Laboratory Name: EC

Special Instructions:

09/13/2001 16:30

2125450757

ADVANCED ENVIRONMENT

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09/13/2001 16:30

212-290-0058

EMSL MANHATTAN

PAGE 02

Advanced Environmental Corp.

EC 030104194

Chain of Custody
Client & Project Location

Silverstein Broadway

Sample Number	Material	Location	Quantity
0913010013	Debris Material	Lobby - Broadway Side	
0913010013	Debris Material	Lobby - Broadway Side	
0913010014	Debris Material	Lobby - Nassau St. Side	
0913010015	Debris Material	Lobby - Nassau St. Side	
0913010016	Debris Material	Lobby - Adjacent Elevator Cars 2-10	
0913010017	Debris Material	Lobby - Adjacent Elevator Cars 2-10	
0913010018	Debris Material	Lobby - Security Desk	
0913010019	Debris Material	Lobby - Cedar St. Adjacent revolving doors	
0913010020	Debris Material	Lobby - Adjacent elevator bank 10-18	
			ASAP

Sample Type: ☒ ELM ☐ TEM ☐ NOB ☐ Other

Requested Completion Date/Time _____ Batch # _____

Sample #(s) _____ Total Samples # _____ Project # 1016-025

Relinquished by: _____ Date: _____ Time: _____ Laboratory Name: EMSL

Received by: _____ Date: _____ Time: _____

Special Instructions:

347 Fifth Avenue, Suite 404, New York, NY 10016 - Phone 212-545-1855 Fax 212-545-0757

Page of

Chain of Custody
Client & Project Location Shuster - 146 Broadway

Advanced Environmental Corp.
EC

Sample Number	Material	Location	Quantity
0913010001	Debris Material	Lobby - adjacent security desk	
0913010002	Debris Material	Lobby - adjacent elevator bank 2F-27	
0913010003	Debris Material	Lobby - Cedar St side adjacent revolving door	
0913010004	Debris Material	Lobby - adjacent elevator bank 1-10	
0913010005	Debris Material	Lobby - Corner Nassau/Knox St. adjacent revolving door	
0913010006	Debris Material	Lobby - Cedar Street side adjacent doors	
0913010007	Debris Material	Lobby - within Convenience Store	
0913010008	Debris Material	Lobby - former bank space	
0913010009	Debris Material	Lobby - former bank space	
0913010010	Debris Material	R-14 Fresh Air Intake	

0913010011 ☒ PLM ☐ TEM ☐ NOB ☐ Other Level 30 - Fresh Air Intake Requested Completion Date/Time ASAP

Sample #(s) 1 Total Samples # 1 Batch # 1015-038

Relinquished by: hmo Date: 9-13-01 Time: 10:15-038

Received by: hmo Date: 9-13-01 Time: 10:15-038 Laboratory Name: gms

Special Instructions:

347 Fifth Avenue, Suite 404, New York, NY 10016 - Phone 212-545-1855 Fax 212-545-0757

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Chain of Custody
Client & Project Location
5, Westview - 100 Wall St
Advanced Environmental Corp.
EC 03010492

09/13/2001 16:30 2125450757
09/13/2001 16:29 212-298-0058

ADVANCED ENVIRONMENT
EMSL MANHATTAN

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Sample Number	Material	Location	Quantity
0913010421	Dioxins Material	Lobby vestibule - western revolving door	
0913010422	Dioxins Material	Lobby vestibule - western revolving door	
0913010423	Dioxins Material	Lobby vestibule - western revolving door	
0913010424	Dioxins Material	Lobby vestibule - western revolving door	
0913010425	Dioxins Material	Adjacent restaurant	

Sample Type: ☒ PLM ☐ TEM NOB ☐ Other Requested Completion Date/Time _____

Sample #(s) _____ Total Samples # _____ Batch # _____

Relinquished by: _____ Date: _____ Project # 1018-093

Received by: _____ Date: _____ Laboratory Name: EMSL

Special Instructions:

347 Fifth Avenue, Suite 404, New York, NY 10016 - Phone 212-545-1855 Fax 212-545-0757

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ADVANCED ENVIRONMENT

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EMSL MANHATTAN

PAGE 02

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 212-290-0058 Email:

*Duplicate***EMSL**

Attn: Mr Robert Puorro / Mr Edward Namath
Advanced Environmental Corp.
347 Fifth Avenue
Suite 404
New York, NY 10016

Customer ID: ADVA57
Customer PO:
Received: 09/13/01 2:28 PM

Fax: (212) 545-0757 Phone: 212-545-1855
Project: 1015-038 Silverstein 140 Broadway

EMSL Order: 030104195
EMSL Project ID:
Analysis Date: 9/13/2001

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D31301RP08 030104195-0008	Debris-Lobby former bank space	Gray Fibrous Heterogeneous	Teased	35.00% Min. Wool 15.00% Cellulose	23.56% Non-fibrous (other) 15.00% Matrix 10.00% CA Carbonite	1.44% Chrysotile
D31301RP09 030104195-0009	Debris-Lobby former bank space	Gray Fibrous Heterogeneous	Teased	25.00% Min. Wool 10.00% Cellulose	25.00% Non-fibrous (other) 30.00% Matrix 10.00% CA Carbonite	<1% Chrysotile
D31301RP10 030104195-0010	Debris-Fir 14 fresh air intake	Gray Fibrous Heterogeneous	Teased	25.00% Min. Wool 15.00% Cellulose	35.00% Non-fibrous (other) 15.00% Matrix 10.00% CA Carbonite	<1% Chrysotile
D31301RP11 030104195-0011	Debris- Level 3B fresh air intake	Gray Fibrous Heterogeneous	Teased	25.00% Min. Wool 10.00% Cellulose	33.80% Non-fibrous (other) 20.00% Matrix 10.00% CA Carbonite	1.20% Chrysotile

Gulam Machhiwala

Analyst

E. Cahill

Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. This above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL, Analytical, Inc. This above test must not be used by the client to claim product endorsement by NYSAP nor any agency of the United States Government. Analysis performed by EMSL Manhattan (NYSAP #101048-3), NY ELAP 11505

PLM Print Count-1

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