

TABLE OF CONTENTS

I.	Emergency Cleanup	111 Broadway	
II.	Emergency Cleanup	115 Broadway	
III.	Emergency Cleanup	115 Broadway	Mens Store
IV.	Daily Air Quality Testing	111 Broadway	
V.	Daily Air Quality Testing	115 Broadway	



CONSULTING & TESTING SERVICES, INC.

ASBESTOS AIR QUALITY MONITORING

AT

111 BROADWAY
VARIOUS FLOORS
NEW YORK, NY

September 2001
Project NY-408-01 (WTC)

Prepared for:

CAPITOL PROPERTIES
111/115 Broadway
New York, NY 10006
Attn.: Mr. Kevin Hoey

TABLE OF CONTENTS

- I. Executive Summary**
- II. CTSI's License**
- III. CTSI's Certificate of Insurance**
- IV. CTSI's Daily Log Forms**
- V. EMSL PLM Certificates of Analysis**
- VI. EMSL's PCM Certificates of Analysis**
- VII. Dust Particulate Monitoring**



Executive Summary

At the request of Mr. Kevin Hoey agent for **CAPITAL PROPERTIES, Consulting & Testing Services, Inc. (CTSI)** performed environmental testing at 111 Broadway. The purpose of the sampling was to evaluate the building's air quality and dust composition subsequent to the World Trade Center tragedy.

CTSI was requested to perform dust sampling of the subject building as well as performing air monitoring during the dust clean up.

Dust samples were collected on September 21st, 2001. Air samples were collected on September 23rd, 2001 and continued to September 26th, 2001.

- **Air samples** were collected as part of building air quality/dust control evaluation and during clean up processes from the following floors: Main Lobby, Trinity Level, Basement, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 15th, 16th, 17th, 18th, 19th, 20th and 21st. All samples collected were transported to an independent certified laboratory, **EMSL Analytical**, for analysis. Samples were analyzed utilizing Phase Contrast Microscopy (PCM) Methodology (Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94).

Air samples collected at conclusion of clean up phases on September 25th and 26th were within New York State and City clearance criteria of <0.01 f/cc (fibers per cubic centimeter). A total of eighty three (83) final air quality samples were collected.

- **Dust Samples** were collected from the following floors: 21st, 22nd, 20th, 19th, 18th, 17th, 16th, 15th, 14th, 13th, 12th, 11th, 10th, 9th, 8th, 7th, 6th, 4th, 3rd and 2nd. Samples

were collected of dust/debris from various locations. A total of twenty-three (23) dust samples were collected.

All samples collected were transported to an independent certified laboratory, **EMSL Analytical**, for analysis. Samples were analyzed utilizing Polarized Light Microscopy (PLM) Methodology via the NY State ELAP 198.1 method. Dust Samples were tested negative for presence of asbestos. Please see Section V for locations and results.

All surfaces affected such as but not limited to the air-handling units, passenger/ freight elevators, main lobby, secondary lobbies, staircases and affected suites were wet wiped and HEPA vacuumed by a licensed asbestos contractor. All air filters within the said fan units were removed and disposed of as asbestos waste.

In addition to the above, **CTSI** performed Dust Particulate testing from various areas of the building. Dust Particulates were collected utilizing a Nephelometric Laser Scatter Total Dust Measure method. This method utilizes the diffraction of laser beams to evaluate the density of dust in the beam path. It is sensitive to as little as one tenth of one microgram of dust per cubic meter of air (0.1 UG/M^3). The test results were acceptable and within the established OSHA standards. Please see Section VII for locations and results.

Due to the outside air conditions with elevated dust levels and fumes from the World Trade Center clean up process, **CTSI** recommends that the outside fresh air louvers be kept closed and only opened when outside air has been checked by building engineering staff to be odor and dust free. Lack of fresh outside air will result in elevated Carbon Dioxide levels during building full occupancy after 10:00 AM. Tenants may report an increase in symptoms such as but not limited to headaches, mild dizziness and fatigue.

CTSI also, recommend the air filters on all fan units be inspected on a daily basis and if necessary, replaced during the outside clean up process. The cleaning contractor should only utilize **HEPA** filtered vacuums for building cleaning.

Furthermore, **CTSI** recommends periodic air quality monitoring during the outside clean up process.

Thank you for giving **CTSI** the opportunity to assist you on this project.





STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, Room 161
STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

LICENSE NUMBER: 99-0617
DATE OF ISSUE: 06/26/01
EXPIRATION DATE: 06/31/02

Contractor: Consulting & Testing Services, Inc.

Address: 622 Georges Road, Suite 301
North Brunswick, NJ 08902

Duly Authorized Representative: Farshad Salami

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

A handwritten signature in dark ink, appearing to read "Richard Cucolo".

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

H 432 (10-00)



ACORD

CERTIFICATE OF LIABILITY INSURANCE

EP ID FK
CONS01N

DATE (MM/DD/YY)
09/06/01

PII

ACORD

CERTIFICATE OF LIABILITY INSURANCE

EP ID FK
CONS01N

DATE (MM/DD/YY)
09/06/01

PII



CTSI DAILY LOG FORM/INSPECTION

Date: <u>9/23/01</u>	Start Time: <u>12:00</u>	Finish Time: <u>18:00</u>
Technician (s) Name: <u>G. Wawuk</u>		Technician's License Number: <u>AG 97-05833</u>
Project #: _____		
Project Client/Address: <u>111 Broadway</u>		
Project Location/Area: <u>16th, 18th, 20th & 22nd floors</u>		
Client Rep. (Signature): _____ Client Project Manager: _____		
Asbestos Contractor: <u>Conco</u> Supervisor: <u>M. Bell</u>		
Project Scope of Work (i.e. Air Monitoring, Lead Sampling, Survey, IAQ, etc.): <u>Air Monitoring</u>		
Work Area Size: _____ ACM Quantity Removed (specify LF or SF): _____		
Was the work area inspected by a regulatory agency/inspector (DOL, DEP, OSHA, DOH, EPA, etc.): _____ Yes or No		
If yes, state the name, badge #, type of inspection & conversation.		

Summary of Work/Activities Performed:

7:45 Arrived on job site. Began set up pumps on 9th 8th 7th 6th and 4th floors.
 9:30 Finished set up 1st floor of samples. 10:30 Checked pumps. Running well.
 11:50 Setup 2nd set. 1300 confirmed test for 13:50 began collect 2nd set of samples.
 14:45 Set up 3rd set of samples. 17:19 collected samples.
 17:45 Collected pumps left site. Alex Kosenovich went to EM SC.

All workers' licenses inspected & valid: Yes or No

Type of samples (i.e. PCM, TCLP, PLM, etc.): PCM

Supervisor's license #:

of samples taken: 43

Results: Pass or Fail

(if failed, state corrections in above space)

Technician Signature: S. Testlyer

Work Area Sketch:



CTSI DAILY LOG FORM/INSPECTION



Date: 09-25-01 Start Time: 07:45 Finish Time: 17:45
 Technician (s) Name: Igor Lyushewsky / P. Tesha R. Technician's License Number: AM 80-01560

Project #:

Project Client/Address: 111 BROADWAY
 Project Location/Area: Entire Building

Client Rep. (Signature):

Client Project Manager:

Asbestos Contractor: Conco

Supervisor: Michael Bell

Project Scope of Work (i.e. Air Monitoring, Lead Sampling, Survey, IAQ, etc.): Asbestos Testing

Work Area Size:

ACM Quantity Removed (specify LF or SF):

Was the work area inspected by a regulatory agency/inspector (DOL, DEP, OSHA, DOH, EPA, etc.):

Yes or No

If yes, state the name, badge #, type of inspection & conversation.

Summary of Work/Activities Performed:

07:45 We on site. Met with supervisor and discussed work schedule.
 08:00 Crew put on suits entered work area and started clean up rooms on 17 floor and 4 floor. 08:15 We started prep pumps for air testing from 21 floor and down. 09:00 We continue set up pumps for AQ test. 10:00 Work was in progress. 11:00 Finished set and began continue move to testing next floor. 11:30 Frank from CTS1 on site. We update situation and discussed work activities. 12:15 We changed inside rooms. 13:00 Crew finished cleaning rooms on 17 & 4 floor. We inspected 11-12 floors. 14:25 We set up pumps for AQ testing on 10-17 floors. 15:10 We set up pumps on 14-21 floors. 16:10 Continue testing. 17:20 Finished testing. 17:45 We collected all pumps and samples. Igor Greshnevsky left site.

All workers' licenses inspected & valid: ☒ Yes or No

Type of samples (i.e. PCM, TCLP, PLM, etc.): PCM

of samples taken: 46

Supervisor's license #: 80213/AA93-00094

Results: Pass or Fail

(if failed, state corrections in above space)

Technician Signature: Igor Greshnevsky/S. Teplov

Work Area Sketch:



CTSI DAILY LOG FORM/INSPECTION

Date: 9/26/01Start Time: 7:45Finish Time: 17:45Technician (s) Name: S. Tedyar A. KorenevichTechnician's License Number: 01188-09106

Project #:

Project Client/Address: 111 BROADWAY 115 BROADWAYProject Location/Area: Entire Building

Client Rep. (Signature):

Client Project Manager:

Asbestos Contractor:

Supervisor:

Project Scope of Work (i.e. Air Monitoring, Lead Sampling, Survey, IAQ, etc.):

Work Area Size:

ACM Quantity Removed (specify LF or SF):

Was the work area inspected by a regulatory agency/inspector (DOL, DEP, OSHA, DOH, EPA, etc.):

Yes or No

If yes, state the name, badge #, type of inspection & conversation.

Summary of Work/Activities Performed:

12:00 Started clean up of the 16th & 8th floors. Set up pumps for "DUSTAGE" test. 12:00 Workers took a break for lunch.
 14:00 Workers came back from lunch & resumed previous activities.
 14:20 16th floor was done. made visual - OK! Checked 8th floor - continued clean up. 14:50 started clean up on the 4th floor. set up pump.
 15:00 Started 3rd floor - set up pump. 15:50 started 2nd floor - set up pump.
 17:00 Checked pumps - running OK! Workers continued clean up of the 2nd, 3rd & 4th floors. 17:50 Workers finished clean up. made visual - OK! Collected samples - went to the cab.

All workers' licenses inspected & valid: ☒ Yes or No

Type of samples (i.e. PCM, TCLP, PLM, etc.): PCM # of samples taken: 07 Supervisor's license #: All 32-00054 (ex/2) Results: Pass or Fail

Technician Signature: [Signature] (if failed, state corrections in above space)

Work Area Sketch:





PLM BULK SAMPLE ANALYSIS

Client: Capitol Properties CTSI Project #: NY-408-01 Location: 111 Broadway
 Date: September 21st, 2001 Entire

SAMPLE ID#	LOCATION	SAMPLE TYPE	PLM ANALYZED
01	21 st Fl.-West side	Bulk	ND
02	22 nd Fl. MER	Bulk	ND
03	20 th Fl. NW corner	Bulk	ND
04	20 th Fl. Outside window ledge	Bulk	2.80% Chrysotile
005	19 th Fl. West side	Bulk	ND
06	18 th Fl. West side	Bulk	ND
07	17 th fl. North side	Bulk	ND
08	16 th Fl. West side	Bulk	ND
09	15 th Fl. West side	Bulk	ND
10	15 th Fl. Outside window ledge	Bulk	4.70% Chrysotile
11	14 th fl. West side	Bulk	ND
12	13 th Fl. NW corner	Bulk	ND
13	12 th Fl. NW corner	Bulk	ND
14	11 th Fl. North side	Bulk	ND
15	10 th Fl. North side	Bulk	ND
16	9 th Fl. West side	Bulk	ND
17	8 th Fl. West side	Bulk	ND
18	7 th Fl. West side	Bulk	ND
19	6 th Fl. West side	Bulk	ND
20	4 th Fl. West side	Bulk	ND
21	3 rd Fl. West side	Bulk	ND
22	2 nd fl. West side	Bulk	<1% Chrysotile
23	2 nd Fl. Window ledge	Bulk	4.70% Chrysotile

N/D =None detected PLM = Polarized Light Microscopy



New York Lab

307 West 36th Street, New York, NY 10018

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

EMSLAttn: CTSI-Consulting & Testing Services, Inc.
922 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 729-1803

Phone: 732-729-1800

Project: Capital Properties / 111 Broadway

Customer ID: CTS150

Customer PO:

Received: 09/21/01 8:15 PM

EMSL Order: 030104702

EMSL Project ID:

Analysis Date: 9/21/2001

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
01 030104702-0001	21 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	18.00% Min. Wool 5.00% Cellulose	80.00% Non-fibrous (other)	None Detected
02 030104702-0002	22 Fl, Mech Rm	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Min. Wool 10.00% Cellulose	75.00% Non-fibrous (other)	None Detected
03 030104702-0003	20 Fl, N-W corner	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Min. Wool 15.00% Cellulose	65.00% Non-fibrous (other)	None Detected
04 030104702-0004	20 Fl, Outside Window Ledge	Gray/Tan/White Fibrous Heterogeneous	Teased Dissolved	35.00% Glass 35.00% Cellulose	27.20% Non-fibrous (other)	2.80% Chrysotile
05 030104702-0005	19 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 5.00% Cellulose	70.00% Non-fibrous (other)	None Detected
06 030104702-0006	18 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Min. Wool 15.00% Cellulose	65.00% Non-fibrous (other)	None Detected
07 030104702-0007	17 Fl, N Side	Tan Fibrous Heterogeneous	Teased Dissolved	18.00% Min. Wool 10.00% Cellulose	75.00% Non-fibrous (other)	None Detected
08 030104702-0008	16 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Min. Wool 15.00% Cellulose	70.00% Non-fibrous (other)	None Detected
09 030104702-0009	15 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Min. Wool 15.00% Cellulose	65.00% Non-fibrous (other)	None Detected
10 030104702-0010	15 Fl, Outside Window Ledge	Gray/Tan/White Fibrous Heterogeneous	Teased Dissolved	30.00% Glass 20.00% Cellulose	25.30% Non-fibrous (other) 20.00% CA Carbonite	4.70% Chrysotile

Williams John

Analyst

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. The 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. The above test must not be used by the client to claim product under warranty. NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #10103-S), NY ELAP 11503

MP Printout-1

1

09/22/2001 21:42

212-290-0058

EMSL MANHATTAN

PAGE 02

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
 622 Georges Rd.
 North Brunswick, NJ 08902
 Fax: (732) 729-1803 Phone: 732-729-1800
 Project: Capital Properties / 111 Broadway

Customer ID: CTSI50
 Customer PO:
 Received: 09/21/01 8:15 PM
 EMSL Order: 030104702
 EMSL Project ID:

Analysis Date: 9/21/2001

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
11 030104702-0011	14 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 15.00% Cellulose	60.00% Non-fibrous (other)	None Detected
12 030104702-0012	13 Fl, N-W corner	Tan Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 10.00% Cellulose	60.00% Non-fibrous (other)	None Detected
13 030104702-0013	12 Fl, N-W corner	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 10.00% Cellulose	65.00% Non-fibrous (other)	None Detected
14 030104702-0014	11 Fl, N side	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 15.00% Cellulose	60.00% Non-fibrous (other)	None Detected
15 030104702-0015	10 Fl, N side	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Min. Wool 20.00% Cellulose	60.00% Non-fibrous (other)	None Detected
16 030104702-0016	9 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 25.00% Cellulose	50.00% Non-fibrous (other)	None Detected
17 030104702-0017	8 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 15.00% Cellulose	60.00% Non-fibrous (other)	None Detected
18 030104702-0018	7 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Min. Wool 5.00% Cellulose	80.00% Non-fibrous (other)	None Detected
19 030104702-0019	6 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	10.00% Min. Wool 5.00% Cellulose	85.00% Non-fibrous (other)	None Detected
20 030104702-0020	4 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	50.00% Min. Wool 5.00% Cellulose	45.00% Non-fibrous (other)	None Detected

Dan Osborne

Analyst

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. The 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. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Point Count-1

2

09/22/2001 21:42 212-290-0058

EMSL MANHATTAN

PAGE 03

New York Lab

307 West 36th Street, New York, NY 10018

Phone: 212-290-0081 Fax: 212-290-0058 Email:

EMSLAttn: CTSI-Consulting & Testing Services, Inc.
822 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 729-1803

Phone: 732-729-1800

Project: Capital Properties / 111 Broadway

Customer ID: CTSI50

Customer PO:

Received: 09/21/01 8:15 PM

EMSL Order: 030104702

EMSL Project ID:

Analysis Date: 9/21/2001

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

Sample	Location	Appearance	Treatment	<u>Non-Asbestos</u>		<u>Asbestos</u>
				% Fibrous	% Non-Fibrous	% Type
21 030104702-0021	3 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	5.00% Min. Wool 2.00% Cellulose	93.00% Non-fibrous (other)	None Detected
22 030104702-0022	2 Fl, W side	Tan Fibrous Heterogeneous	Teased Dissolved	50.00% Min. Wool 10.00% Cellulose	40.00% Non-fibrous (other)	<1% Chrysotile
23 030104702-0023	2 Fl, Window Ledge	Gray/Tan/White Fibrous Heterogeneous	Teased Dissolved	30.00% Glass 25.00% Cellulose	15.30% Non-fibrous (other) 25.00% CA Carbonite	4.70% Chrysotile

Williams John

Analyst

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. The 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. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

PLM Point Count-1

3



09/24/2001 08:25

212-290-0058

EMSL MANHATTAN

PAGE 01/02

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 729-1803 Phone: 732-729-1400

Project: Capital Properties 111 Broadway 16, 8, 4, 3 & 2 Floors

Customer ID: CTSI50
Customer PO:
Received: 09/23/01 6:30 PM
EMSL Order: 030104824
EMSL Project ID:
Analysis Date: 9/24/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ³	Fibers/ cc	Notes
01 030104824-0001	16th Fl "ET6" Office	9/23/2001	1500.00	11.0	100	0.002	14.01	0.004	
02 030104824-0002	8th Fl "P.C. Griffith" Office	9/23/2001	1850.00	8.0	100	0.001	10.19	0.002	
03 030104824-0003	4th Fl / N-W Side Lawyers Office	9/23/2001	1700.00	33.0	100	0.002	42.04	0.009	
04 030104824-0004	3rd Fl N Side Office	9/23/2001	1700.00	48.5	100	0.002	81.78	0.014	
05 030104824-0005	2nd Fl N/N-W Side Offices	9/23/2001	1700.00	23.0	100	0.002	29.3	0.007	
06 030104824-0006	Field Blank	9/23/2001	0.00	<5.5	100		<7.0		Field Blank
07 030104824-0007	Field Blank	9/23/2001	0.00	<5.5	100		<7.0		Field Blank

Roy Cross

Analyst



Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm³. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State ELAP #11508)

CM-

1

09/24/2001 08:25

212-290-0058

EMSL MANHATTAN

PAGE 01/02

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902
Fax: (732) 729-1803 Phone: 732-729-1803
Project: Capital Properties 111 Broadway 16, 8, 4, 3 & 2 Floors

Customer ID: CTSI50
Customer PO:
Received: 09/23/01 6:30 PM
EMSL Order: 030104824
EMSL Project ID:
Analysis Date: 9/24/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/mm ³	Fibers/cc	Notes
01 030104824-0001	16th Fl "ET6" Office	9/23/2001	1500.00	11.0	100	0.002	14.01	0.004	
02 030104824-0002	8th Fl "P.C. Griffith" Office	9/23/2001	1850.00	8.0	100	0.001	10.19	0.002	
03 030104824-0003	4th Fl / N-W Side Lawyers Office	9/23/2001	1700.00	33.0	100	0.002	42.04	0.009	
04 030104824-0004	3rd Fl N Side Office	9/23/2001	1700.00	48.5	100	0.002	61.78	0.014	
05 030104824-0005	2nd Fl N/N-W Side Offices	9/23/2001	1700.00	23.0	100	0.002	29.3	0.007	
06 030104824-0006	Field Blank	9/23/2001	0.00	<5.5	100		<7.0		Field Blank
07 030104824-0007	Field Blank	9/23/2001	0.00	<5.5	100		<7.0		Field Blank

Rey Cross

Analyst

Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm³. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State ELAP #11508)

CM-

1

89/25/2001 07:47 212-290-0058

EMSL MANHATTAN

PAGE 01/03

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902
Fax: (732) 729-1803 Phone: 732-729-1820
Project: 115 Broadway and 111 Broadway / Entire Buildings

Customer ID: CTSI50
Customer PO:
Received: 09/24/01 5:35 PM
EMSL Order: 030104863
EMSL Project ID:
Analysis Date: 9/24/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fibers/ Field	LOD (fib/cc)	Fibers/ mm ²	Fibers/ cc	Notes
01 030104863-0001	12th Floor 8 of AC Room 115	9/24/2001	1820.00	45.0	100	0.001	57.32	0.012	
02 030104863-0002	5th Floor East side 115	9/24/2001							Overloaded
03 030104863-0003	5th Floor 8 of AC Room 115	9/24/2001	1820.00	26.5	100	0.001	33.76	0.007	
04 030104863-0004	Ground Floor in the middle 115	9/24/2001	1820.00	38.5	100	0.001	49.04	0.010	
05 030104863-0005	17th Floor 9 of AC Room 115	9/24/2001	1820.00	67.5	100	0.001	73.25	0.015	
06 030104863-0006	8th Floor East side 115	9/24/2001	1600.00	24.0	100	0.002	30.57	0.007	
07 030104863-0007	Ground Floor in the middle 115	9/24/2001	1440.00	28.0	100	0.002	35.67	0.009	
08 030104863-0008	19 Floor 10 of AC Room 111	9/24/2001	1040.00	27.0	100	0.003	34.39	0.013	
09 030104863-0009	13 Floor 10 of AC Room 111	9/24/2001	1040.00	16.0	100	0.003	20.38	0.007	
10 030104863-0010	7th Floor 8 of AC Room 111	9/24/2001	1040.00	14.0	100	0.003	17.83	0.007	
11 030104863-0011	2nd Floor 9 of AC Room 111	9/24/2001	1040.00	10.0	100	0.003	12.74	0.005	
12 030104863-0012	Blank	9/24/2001	0.00	<5.5	100		<7.0		Field Blank

Analyst

Emil B. B.
Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan NY State ELAP #11508

09/26/2001 19:05

212-290-0058

EMSL MANHATTAN

PAGE 01/02

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-250-0951 Fax: 212-290-0058 Email:

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
 522 Georges Rd.
 North Brunswick, NJ 08902
 Fax: (732) 729-1803 Phone: 732-729-1800
 Project: 111 Broadway 4th and 17th flr

Customer ID: CTSI50
 Customer PO:
 Received: 09/25/01 8:30 PM
 EMSL Order: 030104937
 EMSL Project ID:
 Analysis Date: 9/26/01

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ³	Fibers/ cc	Notes
01 030104937-0001	17th floor IWA	9/25/01							Overloaded
02 030104937-0002	17th floor OWA	9/25/01	2400.00	7.0	100	0.001	8.92	0.001	
03 030104937-0003	4th floor IWA	9/25/01							Overloaded
04 030104937-0004	4th floor OWA	9/25/01							Overloaded
05 030104937-0005	Field blank	9/25/01	0.00	<5.5	100		<7.0		Field Blank
06 030104937-0006	Field blank	9/25/01	0.00	<5.5	100		<7.0		Field Blank

Thomas Michel

Analyst

Laboratory Manager
 or other approved signatory

Limit of detection is 7 fibers/mm³. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
 Analysis performed by EMSL Manhattan (NY State ELAP #11503)

09/26/2001 20:06

212-290-0058

EMSL MANHATTAN

PAGE 01

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 728-1803

Phone: 732-728-1800

Project: 111 Broadway All Floors

Customer ID: CTSI50

Customer PO:

Received: 09/25/01 8:30 PM

EMSL Order: 030104936

EMSL Project ID:

Analysis Date: 9/26/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ³	Fibers/ cc	Notes
01 030104936-0001	20 Floor computer room North West side	9/25/2001	2100.00	15.0	100	0.001	19.11	0.004	
02 030104936-0002	20 Floor inside Network Eng. room	9/25/2001	2100.00	9.0	100	0.001	11.46	0.002	
03 030104936-0003	20 Floor adjacent to cafeteria	9/25/2001	2100.00	12.0	100	0.001	15.29	0.003	
04 030104936-0004	19 Floor west side	9/25/2001	2100.00	12.5	100	0.001	15.92	0.003	
05 030104936-0005	19 Floor elevator lobby	9/25/2001	2100.00	8.0	100	0.001	10.19	0.002	
06 030104936-0006	19 Floor east side	9/25/2001	2100.00	10.0	100	0.001	12.74	0.002	
07 030104936-0007	18 Floor west side	9/25/2001	2100.00	16.0	100	0.001	20.38	0.004	
08 030104936-0008	18 Floor north west side	9/25/2001	2100.00	6.0	100	0.001	7.64	0.001	
09 030104936-0009	18 Floor north side	9/25/2001	2100.00	10.0	100	0.001	12.74	0.002	
10 030104936-0010	16 Floor west side	9/25/2001	1800.00	21.0	100	0.001	26.75	0.006	
11 030104936-0011	16 Floor center	9/25/2001	1800.00	12.0	100	0.001	15.29	0.003	
12 030104936-0012	16 Floor east side	9/25/2001	1800.00	13.0	100	0.001	16.66	0.004	

Thomas Michel

Analyst

Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm³. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State GLAP #11606)

CM

1

09/26/2001 28:05

212-290-0058

EMSL MANHATTAN

PAGE 02

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
 822 Georges Rd.
 North Brunswick, NJ 08902
 Fax: (732) 729-1803 Phone: 732-729-1800
 Project: 111 Broadway All Floors

Customer ID: CTSI50
 Customer PO:
 Received: 09/26/01 8:30 PM
 EMSL Order: 030104938
 EMSL Project ID:
 Analysis Date: 9/26/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ³	Fibers/ cc	Notes
13 030104938-0013	15 Floor west side	9/25/2001	15.00	7.0	100	0.001	8.82	0.002	
14 030104938-0014	15 Floor in the middle	9/25/2001							Filter Damaged
15 030104938-0015	15 Floor east side	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	
16 030104938-0016	13 Floor west side	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	
17 030104938-0017	13 Floor middle	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	
18 030104938-0018	13 Floor east side	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	
19 030104938-0019	12 Floor east side	9/25/2001	15.00	14.0	100	0.001	17.83	0.004	
20 030104938-0020	12 Floor middle	9/25/2001	15.00	15.0	100	0.001	19.11	0.004	
21 030104938-0021	12 Floor west side	9/25/2001	15.00	12.0	100	0.001	15.29	0.003	
22 030104938-0022	11 Floor east side	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	
23 030104938-0023	11 Floor middle	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	
24 030104938-0024	11 Floor west side	9/25/2001	15.00	<5.5	100	0.001	<7.0	<0.001	

Thomas Michel

Analyst

Laboratory Manager
 or other approved signatory

Limit of detection is 7 fibers/mm³. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
 Analysis performed by EMSL Manhattan (NY State ELAP #11506)

09/26/2001 20:06 212-290-0058

EMSL MANHATTAN

PAGE 03

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 729-1803 Phone: 732-729-1800

Project: 111 Broadway All Floors

Customer ID: CTSI60
Customer PO:
Received: 09/25/01 8:30 PM
EMSL Order: 030104938
EMSL Project ID:
Analysis Date: 9/26/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/mm ³	Fibers/cc	Notes
25 030104936-0025	10 Floor east side	9/25/2001	1500.00	<5.5	100	0.001	<7.0	<0.001	
26 030104936-0026	10 Floor center	9/25/2001	1500.00	<5.5	100	0.001	<7.0	<0.001	
27 030104936-0027	10 Floor west side	9/25/2001	1500.00	<5.5	100	0.001	<7.0	<0.001	
28 030104936-0028	17 Floor west side	9/25/2001	1500.00	10.5	100	0.001	13.38	0.003	
29 030104936-0029	17 Floor middle	9/25/2001	1500.00	6.0	100	0.001	7.64	0.002	
30 030104936-0030	17 Floor east side	9/25/2001	1500.00	6.5	100	0.001	8.28	0.002	
31 030104936-0031	16 Floor west side	9/25/2001	1500.00	23.0	100	0.001	29.3	0.006	
32 030104936-0032	16 Floor center	9/25/2001	1500.00	11.0	100	0.001	14.01	0.003	
33 030104936-0033	16 Floor east side	9/25/2001	1500.00	22.0	100	0.001	28.03	0.006	
34 030104936-0034	21st Floor east side	9/25/2001	1500.00	<5.5	100	0.001	<7.0	<0.001	
35 030104936-0035	21st Floor center	9/25/2001	1500.00	<5.5	100	0.001	<7.0	<0.001	
36 030104936-0036	21st Floor west side	9/25/2001	1500.00	<5.5	100	0.001	<7.0	<0.001	

Thomas Michel

Analyst

Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm³. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the sample reported above. This report may not be reproduced, except in full, without written approval by EMSL.

Analysis performed by EMSL Manhattan (NY State ELAP #11506)

09/26/2001 20:06

212-290-0056

EMSL MANHATTAN

PAGE 04

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 212-290-0056 Email:

EMSLAttn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 729-1803

Phone: 732-729-1800

Project: 111 Broadway All Floors

Customer ID: CTSI50

Customer PO:

Received: 09/25/01 8:30 PM

EMSL Order: 030104936

EMSL Project ID:

Analysis Date: 9/26/2001

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ²	Fibers/ cc	Notes
37 030104936-0037	Field blank	9/25/2001	0.00	<5.5	100		<7.0		Field Blank
38 030104936-0038	Field blank	9/25/2001	0.00	<5.5	100		<7.0		Field Blank
39 030104936-0039	Field blank	9/25/2001	0.00	<5.5	100		<7.0		Field Blank
40 030104936-0040	Field blank	9/25/2001	0.00	<5.5	100		<7.0		Field Blank

Thomas Michel

Analyst

Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State ELAP #11506)

PCM

4

09/27/2001 13:13

212-290-0058

EMSL MANHATTAN

PAGE 01/08

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902
Fax: (732) 729-1803 Phone: 732-729-1800
Project: 111 Broadway Entire Bldg

Customer ID: CTSI50
Customer PO:
Received: 09/26/01 5:20 PM
EMSL Order: 030104998
EMSL Project ID:
Analysis Date: 9/27/01

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fth/cc)	Fibers/ mm ²	Fibers/ cc	Notes
01 030104998-0001	9th Flr east side	9/26/01	1875.00	7.0	100	0.001	8.82	0.002	
02 030104998-0002	9th Flr center	9/26/01	1875.00	11.0	100	0.001	14.01	0.003	
03 030104998-0003	9th Flr west side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
04 030104998-0004	8th Flr west side	9/26/01	1950.00	8.0	100	0.001	10.19	0.002	
05 030104998-0005	8th Flr center	9/26/01	1950.00	6.0	100	0.001	7.64	0.002	
06 030104998-0006	8th Flr east side	9/26/01	1950.00	<5.5	100	0.001	<7.0	<0.001	
07 030104998-0007	4th Flr west side	9/26/01	1950.00	14.0	100	0.001	17.83	0.004	
08 030104998-0008	4th Flr center	9/26/01	1950.00	6.0	100	0.001	7.64	0.002	
09 030104998-0009	4th Flr east side	9/26/01	1950.00	<5.5	100	0.001	<7.0	<0.001	
10 030104998-0010	7th Flr west side	9/26/01	1875.00	6.0	100	0.001	7.64	0.002	
11 030104998-0011	7th Flr west side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
12 030104998-0012	7th Flr west side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	

Dawnette Branson

Analyst

Eric B. Branson
Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/cc. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State ELAP #11806)

09/27/2001 13:13

212-290-0056

EMSL MANHATTAN

PAGE 02/08

New York Lab

307 West 36th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
 622 Georges Rd.
 North Brunswick, NJ 08902
 Fax: (732) 728-1803 Phone: 732-728-8800
 Project: 111 Broadway Empire Bldg

Customer ID: CTSI50
 Customer PO:
 Received: 09/26/01 5:20 PM
 EMSL Order: 030104998
 EMSL Project ID:
 Analysis Date: 9/27/01

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fibr/cc)	Fibers/ mm ²	Fibers/ cc	Notes
13 030104996-0013	6th Flr east side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
14 030104996-0014	6th Flr center	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
15 030104996-0015	6th Flr west side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
16 030104996-0016	5th Flr west side	9/26/01	1800.00	<5.5	100	0.001	<7.0	<0.001	
17 030104996-0017	5th Flr middle	9/26/01	1800.00	<5.5	100	0.001	<7.0	<0.001	
18 030104996-0018	5th Flr east side	9/26/01	1800.00	6.0	100	0.001	7.64	0.002	
19 030104996-0019	3rd Flr west side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
20 030104996-0020	3rd Flr middle	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
21 030104996-0021	3rd Flr east side	9/26/01	1875.00	7.0	100	0.001	8.92	0.002	
22 030104996-0022	2nd Flr west side	9/26/01	1875.00	6.5	100	0.001	8.28	0.002	
23 030104996-0023	2nd Flr center	9/26/01	1875.00	6.0	100	0.001	7.64	0.002	
24 030104996-0024	2nd Flr east side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	

Dawnette Branson

Analyst

Eva B. Gaud
 Laboratory Manager
 or other approved signatory

Limit of detection is 7 fibers/mm². The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
 Analysis performed by EMSL Manhattan (NY State ELAP #11508)

09/27/2001 13:13

212-290-0058

EMSL MANHATTAN

PAGE 03/08

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902

Fax: (732) 729-1803

Phone: 732-729-1800

Project: 111 Broadway Entire Bldg

Customer ID: CTS150

Customer PO:

Received: 09/26/01 5:20 PM

EMSL Order: 030104996

EMSL Project ID:

Analysis Date: 9/27/01

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ²	Fibers/ cc	Notes
25 030104996-0025	Main lobby west side	9/26/01	1800.00	8.0	100	0.001	10.19	0.002	
26 030104996-0026	Main lobby center	9/26/01	1800.00	<5.5	100	0.001	<7.0	<0.001	
27 030104996-0027	Main lobby east side	9/26/01	1800.00	<5.5	100	0.001	<7.0	<0.001	
28 030104996-0028	Trinity level west side	9/26/01	1800.00	7.0	100	0.001	8.92	0.002	
29 030104996-0029	Trinity level middle	9/26/01	1800.00	<5.5	100	0.001	<7.0	<0.001	
30 030104996-0030	Trinity level east side	9/26/01	1800.00	10.0	100	0.001	12.74	0.003	
31 030104996-0031	Basement west side	9/26/01	1875.00	<5.5	100	0.001	<7.0	<0.001	
32 030104996-0032	Basement center	9/26/01	1875.00	14.0	100	0.001	17.83	0.004	
33 030104996-0033	Basement east side	9/26/01	1875.00	8.0	100	0.001	7.64	0.002	
34 030104996-0034	21st Flr west side Bldg 115	9/26/01	1800.00	8.0	100	0.001	7.64	0.002	
35 030104996-0035	21st Flr middle	9/26/01	1800.00	7.0	100	0.001	8.92	0.002	
36 030104996-0036	21st Flr east side	9/26/01	1800.00	<5.5	100	0.001	<7.0	<0.001	

Dawnette Branson

Analyst

Eric B. [Signature] 71
Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State ELAP #11808)

09/27/2001 13:13

212-290-0058

EMSL MANHATTAN

PAGE 04/08

New York Lab

307 West 38th Street, New York, NY 10018

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

EMSL

Attn: CTSI-Consulting & Testing Services, Inc.
622 Georges Rd.
North Brunswick, NJ 08902
Fax: (732) 729-1803 Phone: 732-729-1800
Project: 111 Broadway Empire Bldg

Customer ID: CTSI50
Customer PO:
Received: 09/26/01 5:20 PM
EMSL Order: 030104995
EMSL Project ID:
Analysis Date: 9/27/01

Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
37	20th Flr east side	9/26/01	1800	00	<5.5	100	0.001	<7.0	<0.001
030104995-0037									
38	20th Flr middle	9/26/01	1800	00	<5.5	100	0.001	<7.0	<0.001
030104995-0038									
39	20th Flr west side	9/26/01	1800	00	<5.5	100	0.001	<7.0	<0.001
030104995-0039									
40	Field blank	9/26/01	000	00	<5.5	100		<7.0	Field Blank
030104995-0040									
41	Field blank	9/26/01	000	00	<5.5	100		<7.0	Field Blank
030104995-0041									
42	Field blank	9/26/01	000	00	<5.5	100		<7.0	Field Blank
030104995-0042									
43	Field blank	9/26/01	000	00	<5.5	100		<7.0	Field Blank
030104995-0043									

Dawnette Branson

Analyst

Eric B. G. L. W.

Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL.
Analysis performed by EMSL Manhattan (NY State ELAP #11509)



INDOOR AIR QUALITY TESTING

111 Broadway, Entire

9/27/01

Location	Temp. 68-74° F.	RH 30-50%	CO 0-9.0 PPM	CO ₂ 800- 1000 PPM	Dust 15,000 ug/m ³	Dew Point
21 st Fl.-E	68.7	41.0	1.5	383	1.35	44.1
21 st Fl.-C	72.2	40.9	1.5	428	183.8	47.1
21 st Fl.-W	68.7	40.7	1.5	396	149.2	43.4
20 th Fl.-E	75.8	43.5	1.6	391	72.4	52.0
20 th Fl.-C	76.8	36.2	1.6	431	74.1	48.1
20 th Fl.-W	76.8	36.4	1.6	380	82.5	48.0
19 th Fl.-E	75.3	43.4	1.6	386	72.1	51.6
19 th Fl.-C	76.0	36.4	1.6	428	80.2	47.5
19 th Fl.-W	75.8	41.3	1.5	388	77.2	50.6
18 th Fl.-E	80.8	35.0	1.6	384	131.4	50.7
18 th Fl.-C	79.4	34.5	1.6	441	70.9	48.9
18 th Fl.-W	78.4	36.5	1.5	402	72.8	49.8
17 th Fl.-E	79.5	35.3	1.6	425	74.5	49.7
17 th Fl.-C	78.5	33.8	1.6	396	73.6	47.7
17 th Fl.-W	78.2	37.6	1.6	397	76.5	50.2
16 th Fl.-E	81.2	30.3	1.6	393	77.9	47.1
16 th Fl.-C	85.2	29.4	1.6	382	87.5	49.8
16 th Fl.-W	80.8	33.4	1.5	422	111.4	49.4
15 th Fl.-E	74.5	36.0	1.3	407	82.1	45.7
15 th Fl.-C	75.5	36.2	1.2	399	72.0	46.8
15 th Fl.-W	75.6	34.9	1.2	390	90.2	46.1
14 th Fl.-E	71.3	38.2	1.2	423	101.2	
14 th Fl.-C	72.3	35.3	1.1	425	120.4	
14 th Fl.-W	75.9	35.3	1.1	427	116.4	
13 th Fl.-E	74.0	36.7	1.1	373	1.15 mg	
13 th Fl.-C	72.7	36.6	1.0	399	75.6	
13 th Fl.-W	76.5	37.3	1.1	499	60.9	
12 th Fl.-E	74.5	40.5	1.2	381	85.8	
12 th Fl.-C	77.8	34.4	1.2	393	76.4	
12 th Fl.-W	77.0	37.1	1.2	386	70.1	
11 th Fl.-E	80.3	33.0	1.1	399	101.2	
11 th Fl.-C	78.8	34.5	1.1	387	114.2	
11 th Fl.-W	78.6	36.2	1.1	411	78.3	
10 th Fl.-E	77.7	34.7	1.2	379	61.6	
10 th Fl.-C	77.7	34.7	1.1	381	67.7	
10 th Fl. -W	76.5	35.9	1.1	452	78.8	

RH= Relative Humidity CO= Carbon Monoxide CO₂= Carbon Dioxide
PPM= Parts Per million ug/m³=microgram per cubic meter



INDOOR AIR QUALITY TESTING

111 Broadway, Entire

9/27/01

Location	Temp. 68-74° F.	RH 30-50%	CO 0-9.0 PPM	CO ₂ 800-1,000 PPM	Dust 15,000 ug/m ³	Dew Point
9 th Fl.-E	75.9	40.9	1.1	382	64.7	NT
9 th Fl.-C	76.6	39.6	1.1	382	78.5	NT
9 th Fl.-W	76.4	40.2	1.2	382	63.0	NT
8 th Fl.-E	76.5	39.4	1.2	460	72.1	NT
8 th Fl.-C	76.1	38.5	1.1	392	88.3	NT
8 th Fl.-W	75.8	38.7	1.1	386	95.4	NT
7 th Fl.-E	NT	NT	NT	NT	76.3	NT
7 th Fl.-C	NT	NT	NT	NT	87.7	NT
7 th Fl.-W	NT	NT	NT	NT	75.0	NT
6 th Fl.-E	NT	NT	NT	NT	78.1	NT
6 th Fl.-C	NT	NT	NT	NT	66.5	NT
6 th Fl.-W	NT	NT	NT	NT	72.2	NT
5 th Fl.-E	NT	NT	NT	NT	76.4	NT
5 th Fl.-C	NT	NT	NT	NT	74.2	NT
5 th Fl.-W	NT	NT	NT	NT	70.3	NT
4 th Fl.-E	NT	NT	NT	NT	68.2	NT
4 th Fl.-C	NT	NT	NT	NT	76.6	NT
4 th Fl.-W	NT	NT	NT	NT	77.2	NT
3 rd Fl.-E	NT	NT	NT	NT	79.4	NT
3 rd Fl.-C	NT	NT	NT	NT	85.9	NT
3 rd Fl.-W	NT	NT	NT	NT	183.9	NT
2 nd Fl.-E	NT	NT	NT	NT	82.1	NT
2 nd Fl.-C	NT	NT	NT	NT	80.4	NT
2 nd Fl.-W	NT	NT	NT	NT	101.2	NT
1 st Fl.-E	NT	NT	NT	NT	164.9	NT
1 st Fl.-C	NT	NT	NT	NT	79.6	NT
1 st Fl.-W	NT	NT	NT	NT	86.7	NT

RH= Relative Humidity CO= Carbon Monoxide CO₂= Carbon Dioxide
 PPM= Parts Per million ug/m³=microgram per cubic meter NT= Not Tested

