

1. Air Monitoring Results

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/6/2003
 Date Analyzed: 3/6/2003
 Batch #: 0303A449

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 05-March A 6558	3rd Floor/ By Main Office/ Directly Opposite Elevator/ West Side	360	3650.4	13/100	<u>0.002</u>
002 05-March A 6559	5th Floor/ By Main Office/ Directly Opposite Elevator/ South Side	360	3650.4	4/100	<u><0.001<LOD</u>
003 05-March A 6560	7th Floor/ By Main Office/ Directly Opposite Elevator/ North Side	360	3650.4	3/100	<u><0.001<LOD</u>
004 05-March A 6561	9th Floor/ By Main Office/ Directly Opposite Elevator/ East Side	360	3650.4	3/100	<u><0.001<LOD</u>
005 05-March A 6562	11th Floor/ By Main Office/ Directly Opposite Elevator/ North Side	360	3650.4	5/100	<u><0.001<LOD</u>
006 05-March A 6563	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 22, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Project No.: 03-2744
 Analyte: FIBERS
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 Batch #: 0303A449

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 05-March A 6564	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

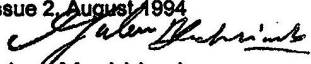
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 22, 2003

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SCILAB # 203031455

Client Name: JLC Environmental Consultants

Penny FAX 718-595-3744

Table I

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

03-2744 - 0303A449; NYC DEP; 114 Liberty Street, Manhattan (Pre-Abatement)

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	Total	>5.0	Total	>5.0	Total	
01	006558	3600	.04	3rd Floor By Main Office Directly Opposite Elevator West Side	0.0027	0.0	0.0	0.0	<2.5	<2.5	<0.0027	<0.0027	NSD
02	006559	3600	.04	5th Floor By Main Office Directly Opposite Elevator South Side	0.0027	0.0	0.0	0.0	<2.5	<2.5	<0.0027	<0.0027	NSD
03	006560	3600	.04	7th Floor By Main Office Directly Opposite Elevator North Side	0.0027	0.0	0.0	0.0	<2.5	<2.5	<0.0027	<0.0027	NSD
04	006561	3600	.04	9th Floor By Main Office Directly Opposite Elevator East Side	0.0027	0.0	0.0	0.0	<2.5	<2.5	<0.0027	<0.0027	NSD
05	006562	3600	.04	11th Floor By Main Office Directly Opposite Elevator North Side	0.0027	0.0	0.0	0.0	<2.5	<2.5	<0.0027	<0.0027	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/6/03

Aleksandr Barengolts

NYLAB #: 200546-0

ILC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DED

0303A449

PROJECT NUMBER: 03-2744

14 Liberty Street Manhattan

PROJECT MANAGER: Mohammed

TECHNICIAN: E. Adewale

SIGNATURE: E. Adewale

DATE: 3, 5, 03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203031455

PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/m			
LAB # 006558		3rd floor by main office directly opposite elevator west side	1230	1830	10	10	3650.4	13	0.002
PUMP #				360		10		100	
LAB # 006559		5th floor by main office directly opposite elevator south side	1235	1835	10	10	3650.4	4	<0.001
PUMP #				360		10		100	<600
LAB # 006560		7th floor by main office directly opposite elevator north side	1240	1840	10	10	3650.4	3	<0.001
PUMP #				360		10		100	<600
LAB # 006561		9th floor by main office directly opposite elevator East side	1245	1845	10	10	3650.4	3	<0.001
PUMP #				360		10		100	<600
LAB # 006562		11th floor by main office directly opposite elevator north side	1250	1850	10	10	3650.4	5	<0.001
PUMP #				360		10		100	<600
LAB # 006563		FIELD BLANK						0	FB
PUMP #								100	
LAB # 006564		FIELD BLANK						0	FB
PUMP #								100	

TECHNICIAN'S LOG									
CASSETTE	ROTMETER	TURNAROUND TIME		TYPE		RESULTS TO			
☒ PCM (0.8 MICRON MCE)	ID# 4PR-063	☐ 2 HRS	☐ 24 HRS	☒ PRE-ABATE	☐ OSHA	NAME			
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS	☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#			
LOT #	CALIB. DATE 3/5/03	☐ 8 HRS	☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME			

CHAIN OF CUSTODY									
RELINQUISHED BY: (print)				(sign)		DATE	TIME		
E. Adewale				E. Adewale		3, 5, 03	1930		
RECEIVED BY: (print)				(sign)		3, 6, 03			
RECEIVED BY: (print)				(sign)		3, 6, 03			
RECEIVED BY: (print)				(sign)		3, 6, 03	1230		
ENTERED BY: (print)				(sign)					
DIRECTED BY: (print)				(sign)					

LAB INFORMATION									
LAB NAME		METHODOLOGY		MICROSCOPE/SERIAL #		COMMENTS			
ILC		☒ PCM - NIOSH 7400.A		☒ OLYMPUS BH2/204104					
ANALYZED BY J.B.		☐ TEM - AHERA		☐ OLYMPUS CHS/7C0021					
DATE: 3, 6, 03		QC BY:		DATE:					

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/6/2003
 Date Analyzed: 3/6/2003
 Batch #: 0303A465

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 06-March A 6779	Adjacent to the 1st Front Entrance to Building #114 Liberty Street	840	4258.8	5/100	<0.001<LOD
002 06-March A 6780	At the Center/ In Front of Building #114 Liberty Street	840	4258.8	3/100	<0.001<LOD
003 06-March A 6781	Adjacent to the 2nd Entrance at the Front Building #114 Liberty Street	840	4258.8	3/100	<0.001<LOD
004 06-March A 6782	To the Far Right of the Back Entrance of Building #114 on Cedar Street	840	4258.8	11/100	0.001
005 06-March A 6783	Adjacent to the Back Entrance of Building #114 on Cedar Street	840	4258.8	6/100	<0.001
006 06-March A 6784	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 12, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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NIOSH and AIHA Lab Code: 100273
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Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/6/2003
Date Analyzed: 3/6/2003
Batch #: 0303A465

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
06-March					
A 6785					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

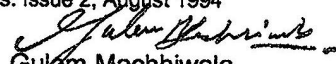
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 12, 2003

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SciLab Job #: 203031539

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYCDEP; 114 Liberty St.

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.) >5.0 Total	Structure Concentration (struc/cc air) >5.0 Total	Type of Asbestos
01	01/006779		4200	.1	0.0009	1.0	0.0	0.0	<10	<0.0009	chrysotile
	Adjacent To The 1st Front Entrance To Bldg #114 Liberty St.										
02	02/006780		4200	.1	0.0009	0.0	0.0	0.0	<10	<0.0009	NSD
	At The Center In Front Of Bldg #114 Liberty St.										
03	03/006781		4200	.1	0.0009	0.0	0.0	0.0	<10	<0.0009	NSD
	Adjacent To The 2nd Entrance At The Front Bldg #114 Liberty St.										
04	04/006782		4200	.1	0.0009	0.0	1.0	1.0	10.0	0.0009	chrysotile
	To The Far Right Of The Back Entrance Of Bldg #114 On Cedar St.										
05	05/006783		4200	.1	0.0009	0.0	0.0	0.0	<10	<0.0009	NSD
	Adjacent To The Back Entrance Of Bldg #114 On Cedar St.										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/7/03

Mark Peysakhov

NYLAB#: 200546-0

03/07/2003 19:51

2126799392

SCILAB NYC

PAGE 04/04

JLC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

0303A465

CLIENT: NYCDER

PROJECT NUMBER: 03-2744

SITE: 114 on LIBERTY ST.

PROJECT MANAGER: M.N. KHAN

ANALYST: F. AGBOZUA

SIGNATURE: *[Signature]*

DATE: 03/06/03

WHITE COPY - FILE

YELLOW COPY - LABORATORY

PINK COPY - PROJECT MANAGER

203031539

PAGE 1 OF 1

		SAMPLE INFORMATION							
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/m			
SAMPLE #	FIELD #	Adjacent to the ^{BE} front entrance to bldg #114 Liberty str.	0810		5			5	0.001
LAB #	06779		0810	840	5	4258.8	100	0.001	
PUMP #									
SAMPLE #	FIELD #	At the center in front of Bldg #114 Liberty str.	0815		5			3	0.001
LAB #	06780		0815	840	5	4258.8	100	0.001	
PUMP #									
SAMPLE #	FIELD #	Adjacent to the 2nd Entrance at the front Bldg #114 Liberty str.	0820		5			3	0.001
LAB #	06781		0820	840	5	4258.8	100	0.001	
PUMP #									
SAMPLE #	FIELD #	To the far right of the back entrance of Bldg #114 on Cedar str.	0825		5			11	0.001
LAB #	06782		0825	840	5	4258.8	100	0.001	
PUMP #									
SAMPLE #	FIELD #	Adjacent to the Back entrance of Bldg #114 on Cedar str.	0830		5			6	0.001
LAB #	06783		0830	840	5	4258.8	100	0.001	
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK						0/100	FB
LAB #	06784								—
SAMPLE #	FIELD #	FIELD BLANK						0/100	FB
LAB #	06785								—

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-65	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME Penny
☒ TEM (0.45 MICRON MCE)	C.F. 1.010	☒ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGRA 185 95-3744
LOT #	CALIB. DATE 1/10/03	☐ 6 HRS ☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE 1/1 TIME

CHAIN OF CUSTODY

RELINQUISHED BY (print)	(sign)	DATE	TIME
F. AGBOZUA / E. Adewale	<i>[Signature]</i>	03/06/03	2300
RECEIVED BY (print)	(sign)	3/7/03	
RELINQUISHED BY (print)	(sign)	3/7/03	1220
RECEIVED BY (print) Leona Hedrick	<i>[Signature]</i>		
ENTERED BY (print)	(sign)		
CORRECTED BY (print)	(sign)		

LAB INFORMATION

NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
JLC	☒ PCM - NIOSH 7400 A	☒ OLYMPUS BH2/204104	
ED BY <i>[Signature]</i>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
703 TIME	☐ TEM - EPA LEVEL II		
DATE			

Job #: 203031651

Client Name: JLC Environmental Consultants

Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYC DEP; 114 Liberty Street

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	01 To The Front Entrance I Of Building #114, Liberty Street	03/07/2003	5	1045	5225	100	10	12.74	0.001	
02	02 Adjacent To The Front Entrance II Of Building #114, Liberty Street	03/07/2003	5	1045	5225	100	9	11.46	0.001	
03	03 In The Clean Room Of The Decon Of The Work Area Building #114 Lib.	03/07/2003	5	1045	5225	100	16	20.38	0.002	
04	04 To The Far Right Of The Back Entrance To The Building #114 On Cedar Street	03/07/2003	5	1045	5225			NA		Footnotes: 2
05	05 Adjacent To The Back Entrance Of Building #114 On Cedar Street	03/07/2003	5	1045	5225			NA		Footnotes: 2
06	06 Field Blank	03/07/2003	0	0	0	100	0.5	0.64		Footnotes: 1
07	07 Field Blank	03/07/2003	0	0	0	100	0.5	0.64		Footnotes: 1

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

(2) Analyst was unable to quantify fiber concentration because of overloading of particulate material on the filter.

Analyzed by: Marvin Brothers; Date Analyzed: 03/08/2003

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94; Limit of Detection= 3.5 fibers per 100 fields or 7 fibers/mm²; Blank analyses are reported when available, however are not used to adjust results of associated samples in this report. This report relates ONLY to the sample analysis expressed as fibers/cc; Waltham-Beckett particle field area = 0.00785 mm²; TWA = 8 Hr TWA calculation assumes zero exposure for remainder of 8 hr period not sampled; Upper 95% Confidence Limit (Employers Compliance Test)- Calculated as a one-sided UCL to determine 95% certainty of compliance with the 0.01 fiber/cc standard; Estimated relative standard deviation: Intralab S_r=0.405, Interlab S_r=0.45, New York samples (NYSDOH ELAP Lab # 11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AHA # 102843.

SciLab #: 203031652

Client Name: JLC Environmental Consultants

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYC DEP; 114 Liberty Street

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Area * Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns) >5.0	Total	Structure Density (struc/sq. mm.) >5.0	Structure Concentration (struc/cc air) >5.0	Type of Asbestos
01	01		5225	.08	0.0009	0.0	0.0	<12.5	<0.0009	NSD
		To The Front Entrance I Of Building #114, Liberty Street								
02	02		5225	.08	0.0009	0.0	0.0	<12.5	<0.0009	NSD
		Adjacent To The Front Entrance I Of Building #114, Liberty Street								
03**	03		5225							
		In The Clean Room Of The Decon Of The Work Area Building #114, Liberty Street "Sample Too Heavily Loaded-Unable To Prep Or Analyze"								
04**	04		5225							
		To The Far Right Of The Back Entrance To Building #114 On Cedar Street "Sample Overloaded w/Particulate-Unable To Analyze"								
05**	05		5225							
		Adjacent To The Back Entrance Of Building #114 On Cedar Street "Sample Overloaded w/Particulate-Unable To Analyze"								
06**	06		0							
		Field Blank								
07**	07		0							
		Field Blank								

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/8/03

Aleksandr Barengolts

NVLAP#: 200546-U

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

NT: NYC DEPPROJECT NUMBER: 03-2744: 114 LIBERTY STRPROJECT MANAGER: M.N. KHANTECHNICIAN: F. AGBODZASIGNATURE [Signature]DATE 03/07/03TE COPY = PROJECT MANAGER
OW COPY = LABORATORY203031652-AH PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/min			
01		To the Front Entrance I of Bldg #114 Liberty Str.	0705/0430	1045	5	5	5277.2		
02		Adjacent to the Front entrance II of bldg #114 Liberty Str.	0710/0435	1045	5	5	5277.2		
03		In the clean room of the decon of the work area bldg #114 Lib.	0715/0440	1045	5	5	5277.2		
04		To the far right of the back entrance to the Bldg #114 on Cedar Str.	0720/0445	1045	5	5	5277.2		
05		Adjacent to the back entrance of bldg #114 on Cedar Str.	0725/0450	1045	5	5	5277.2		
06		FIELD BLANK							FB
07		FIELD BLANK							FB

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HFR-65</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME <u>PENNY</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.010</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PGR# <u>(718) 595-3744</u>
LOT #	CALIB. DATE <u>1/10/03</u>	☐ 6 HRS ☐ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE <u>03/07/03</u> TIME

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) <u>F. AGBODZA / E. Adenwale</u>	(sign) <u>[Signature]</u>	<u>03/07/03</u>	<u>130 AM</u>
RECEIVED BY: (print) <u>M.N. KHAN</u>	(sign) <u>[Signature]</u>	<u>3/8/03</u>	<u>12:35</u>
RELINQUISHED BY: (print) <u>M.N. KHAN</u>	(sign) <u>[Signature]</u>	<u>3/8/03</u>	<u>12:35</u>
RECEIVED BY: (print) <u>Leona Hedrick</u>	(sign) <u>[Signature]</u>	<u>3/8/03</u>	<u>1300</u>
ENTERED BY: (print)	(sign)		
CHECKED BY: (print)	(sign)		

LAB INFORMATION		COMMENTS
LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #
ANALYZED BY: <u>A. Blythe</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104
DATE <u>3/19/03</u> TIME <u>06:28</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021
QC BY: DATE	☐ TEM - EPA LEVEL II	

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 9-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/8/2003
 Date Analyzed: 3/10/2003
 Batch #: 0303A474

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 08-March A 6900	Prep/ Entrance Door by Liberty Street/ Outside of Building	750	3791.2	10/100	<u>0.001</u>
002 08-March A 6901	Prep/ Entrance Door by Liberty Street/ Inside Building	750	3791.2	13/100	<u>0.002</u>
003 08-March A 6902	Prep/ Clean Room Decon/ Outside Work Area	750	3791.2	9/100	<u>0.001</u>
004 08-March A 6903	Prep/ Entrance by the Door/ Inside Building From Cedar Street Side	750	3791.2	14/100	<u>0.002</u>
005 08-March A 6904	Prep/ Entrance by the Door/ Outside Building From Cedar Street Side	750	3791.2	8/100	<u>0.001</u>
006 08-March A 6905	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

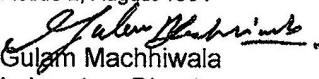
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 10, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/8/2003
 Date Analyzed: 3/10/2003
 Batch #: 0303A474

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
08-March					
A 6906					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 10, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

Scilab #: 203031804

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NCYDEP; 114 Liberty St., New York, NY, 10006

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	006900		3750	.11	0.0009	0.0	0.0	<9.1	<9.1	<0.0009	<0.0009	NSD
	Prep - Entrance By Door By Liberty Street Outside Of Bldg.											
02	006901		3750	.11	0.0009	0.0	0.0	<9.1	<9.1	<0.0009	<0.0009	NSD
	Prep - Entrance By Door Liberty Street Inside Bldg.											
03	006902		3750	.11	0.0009	1.0	0.0	<9.1	9.1	<0.0009	0.0009	chrysotile
	Prep - Clean Room Decon OWA											
04**	006903		3750									
	Prep - Entrance By The Door Inside Bldg From Cedar Street Side "Sample Overloaded w/Particulate-Unable To Analyze"											
05**	006904		3750									

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/10/03

Aleksandr Barengols

NYLAP#: 200546-0

ILC ENVIRONMENTAL CONSULTANTS, INC.

03034-474

AIR SAMPLE LOG

CLIENT: NY DEPPROJECT NUMBER: 03-2744

14 Liberty St., New York NY 10006

PROJECT MANAGER: M.N. KHANTECHNICIAN: M. KelmanskySIGNATURE: M. KelmanskyDATE: 03/08/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203031804

TEM only / 24 HRS

PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/m			
SAMPLE #1	FIELD #	Prep							
LAB # 006900		Entrance by door by Liberty St. outside of BLDG	07:49 20:14	750	5/5	5	3791.2	10/100	0.001
PUMP #									
SAMPLE #2	FIELD #	Prep							
LAB # 006901		Entrance by door Liberty Street inside BLDG	07:46 20:16	750	5/5	5	3791.2	13/100	0.002
PUMP #									
SAMPLE #3	FIELD #	Prep							
LAB # 006902		Clean room decon D.W.A.	07:49 20:19	750	5/5	5	3791.2	9/100	0.001
PUMP #									
SAMPLE #4	FIELD #	Prep							
LAB # 006903		Entrance by the door inside BLDG from Cedar St. side	07:58 20:28	750	5/5	5	3791.2	14/100	0.002
PUMP #									
SAMPLE #5	FIELD #	Prep							
LAB # 006904		Entrance by the door outside BLDG from Cedar St. side	08:00 20:30	750	5/5	5	3791.2	8/100	0.001
PUMP #									
SAMPLE #6	FIELD #	FIELD BLANK						0/100	FB
LAB # 006905									
SAMPLE #7	FIELD #	FIELD BLANK						0/100	FB
LAB # 006906									

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HER-81</u>	☐ 2 HRS ☒ 24 HRS	☒ PRE-ABATE ☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.011</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PRG#() _____
LOT# _____	CALIB. DATE <u>02/10/03</u>	☐ 6 HRS ☐ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME _____

RELINQUISHED BY:(print)	(sign)	DATE	TIME
<u>M. Kelmansky</u>	<u>M. Kelmansky</u>	<u>03/08/03</u>	<u>21:00</u>
RECEIVED BY:(print) <u>Madell Collins</u>	(sign) <u>Madell Collins</u>	<u>3/10/03</u>	
RELINQUISHED BY:(print)	(sign)		
RECEIVED BY:(print) <u>R Rodriguez</u>	(sign) <u>R Rodriguez</u>	<u>3/10/03</u>	<u>11:00</u>
ENTERED BY:(print)	(sign)		
CORRECTED BY:(print)	(sign)		

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: <u>CSW</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	Fax to Penny at DEP(718)595-3744
DATE: <u>3/10/03</u> TIME: _____	☐ TEM - AHERA	☐ OLYMPUS CHS7C0021	
QC BY: _____ DATE: _____	☐ TEM - EPA LEVEL II		

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 Flushing, NY 11373

3/9

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/10/2003
 Date Analyzed: 3/10/2003
 Batch #: 0303A473

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 10-March A 6893	Prep/ Outside Work Area/ North Side	720	3650.4	9/100	<u>0.001</u>
002 10-March A 6894	Prep/ Hallway/ North Side	720	3650.4	13/100	<u>0.002</u>
003 10-March A 6895	Prep/ Inside the Decon	720	3650.4	17/100	<u>0.002</u>
004 10-March A 6896	Prep/ Hallway/ South Side	720	3650.4	12/100	<u>0.002</u>
005 10-March A 6897	Prep/ Outside Work Area/ South	720	3650.4	8/100	<u>0.001</u>
006 10-March A 6898	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).

Gulam Machhiwala
 Laboratory Director

Report Date: March 10, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/10/2003
 Date Analyzed: 3/10/2003
 Batch #: 0303A473

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 10-March A 6899	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

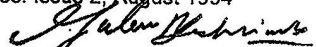
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 10, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab Job #: 203031805

Client Name: JLC Environmental Consultants

Table I

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

03-2744; DEP ; 114 Liberty St., Manhattan, NY

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	>5.0	
01	006893		3600	.12	0.0009	0.0	0.0	<8.3	<0.0009	NSD
	Prep Outside Work Area North Side									
02	006894		3600	.12	0.0009	5.0	0.0	<8.3	<0.0009	chrysotile
	Prep Hallway North Side									
03	006895		3600	.12	0.0009	4.0	0.0	<8.3	<0.0009	chrysotile amphibole
	Prep Inside The Decon									
04	006896		3600	.12	0.0009	0.0	1.0	8.3	0.0009	chrysotile
	Prep Hallway South Side									
05	006897		3600	.12	0.0009	0.0	0.0	<8.3	<0.0009	NSD
	Prep Outside Work Area South									

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/11/03

John P. Koubiadis

NYLAB#: 200546-0

HLC ENVIRONMENTAL CONSULTANTS, INC.

0303A-473

AIR SAMPLE LOG

T: D.E.P

PROJECT NUMBER: 03-27444

SITE: 114 Liberty St. Manhattan N.Y.

PROJECT MANAGER: M. N. KHAN

TECHNICIAN: Omeike Marie

SIGNATURE: ARA

DATE: 3/10/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

TEM only / 24 HRS

203031805

PAGE 1 OF 1

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # 01 LAB # 006893 PUMP #	prep. Outside work area north side	8:00 AM 8:00 PM	720	5/5	5	3650.4	9/100	0.001
SAMPLE # 02 LAB # 006894 PUMP #	prep Hallway North side	8:02 AM 8:02 PM	720	5/5	5	3650.4	13/100	0.002
SAMPLE # 03 LAB # 006895 PUMP #	prep. Inside the delcon.	8:04 AM 8:24 PM	720	5/5	5	3650.4	17/100	0.002
SAMPLE # 04 LAB # 006896 PUMP #	prep. Hallway south side	8:06 AM 8:06 PM	720	5/5	5	3650.4	12/100	0.002
SAMPLE # 05 LAB # 006897 PUMP #	prep. Outside work area south	8:09 AM 8:09 PM	720	5/5	5	3650.4	8/100	0.001
SAMPLE # 06 LAB # 006898	FIELD BLANK						0/100	FB
SAMPLE # 07 LAB # 006899	FIELD BLANK						0/100	FB

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# HFR 112	☐ 12 HRS ☐ 24 HRS	☒ PRE-ABATE ☐ OSHA	NAME penny
☐ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PG# 71885953744
LOT #	CALIB. DATE 1/6/03	☐ 6 HRS ☐ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE 3/10/03 TIME 8:00

RELINQUISHED BY: (print)	(sign)	DATE	TIME
OMEIKE MARIE	ARA	3/10/03	8:30
RECEIVED BY: (print) Madell Collins	Madell Collins	3/10/03	
RELINQUISHED BY: (print) R Rodriguez	R Rodriguez	3/10/03	11:00
RECEIVED BY: (print)			
ENTERED BY: (print)			
CORRECTED BY: (print)			

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: [signature]	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
	☐ TEM - NIOSH	☐ OLYMPUS BH2/204104	

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 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/10/2003
 Date Analyzed: 3/10/2003
 Batch #: 0303A484

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(ff/cc)
001 10-March A 7065	During/ Outside Work Area/ Sidewalk on Liberty Street at 114 Entrance	720	3650.4	18/100	<u>0.002</u>
002 10-March A 7066	During/ Outside Work Area/ Inside Restaurant/ Near North End	720	3650.4	20/100	<u>0.003</u>
003 10-March A 7067	During/ Outside Work Area/ Clean Room of Personnel Decon	720	3650.4	13/100	<u>0.002</u>
004 10-March A 7068	During/ Outside Work Area/ Inside Restaurant/ Near South End	720	3650.4	5/100	<u>0.001<LOD</u>
005 10-March A 7069	During/ Outside Work Area/ Sidewalk on Cedar Street at Loading Dock Entrance	720	3650.4	8/100	<u>0.001</u>
006 10-March A 7070	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

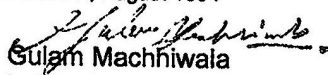
Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded


 Gulam Machhiwala
 Laboratory Director

Report Date: March 18, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/10/2003
 Date Analyzed: 3/10/2003
 Batch #: 0303A484

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 10-March A 7071	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

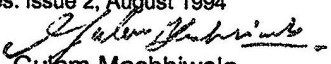
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 18, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab J 203031933

Client Name: JLC Environmental Consultants

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
032744; NYC DEP; 114 Liberty Street/DURING

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	01		3595	.12	0.0009	8.0	0.0	<8.3	66.7	<0.0009	0.0071	chrysotile
		OWA Sidewalk on Liberty Street at #144 Entrance										
02	02		3600	.12	0.0009	7.0	1.0	8.3	66.7	0.0009	0.0071	chrysotile
		OWA Inside Restaurant Near North End										
03	03		3600	.12	0.0009	0.0	1.0	8.3	8.3	0.0009	0.0009	chrysotile
		OWA Clean Room of Personal Decon										
04	04		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
		OWA Inside Restaurant Near South End										
05	05		3600	.12	0.0009	3.0	0.0	<8.3	25.0	<0.0009	0.0027	chrysotile
		OWA Sidewalk on Cedar Street at Loading Dock Entrance										
06**	06		0									
		Field Blank										
07**	07		0									
		Field Blank (Sample not submitted)										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

; Analyzed By: _____

Date: 3/12/03

Jonathan M. Teda

NYLAP#: 200546-0

JLC ENVIRONMENTAL CONSULTANTS, INC.

0303A-484

AIR SAMPLE LOG

CLIENT: NYC DEPPROJECT NUMBER: 03-2744-111S: 114 LIBERTY STREETPROJECT MANAGER: M. N. KHANTECHNICIAN: K. B. KWENDESIGNATURE: K. B. KwendeDATE: 03/10/03WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORYPAGE 01 OF 01114 LIBERTY STREET

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/m			
SAMPLE # <u>01</u>	FIELD #	DURING <u>114 LIBERTY STREET</u>	<u>06:05</u>		<u>05</u>			<u>18</u>	<u>0.002</u>
LAB # <u>007065</u>		CWA/SIDEWALK ON LIBERTY	<u>06:05</u>		<u>05</u>			<u>100</u>	
PUMP #		ST AT #114 ENTRANCE	<u>06:20</u>	<u>05</u>	<u>05</u>	<u>3650.4</u>			
SAMPLE # <u>02</u>	FIELD #	DURING <u>114 LIBERTY STREET</u>	<u>06:06</u>		<u>05</u>			<u>20</u>	<u>0.003</u>
LAB # <u>007066</u>		CWA/INSIDE RESTAURANT	<u>06:06</u>		<u>05</u>			<u>100</u>	
PUMP #		NEAR NORTH END	<u>06:20</u>	<u>05</u>	<u>05</u>	<u>3650.4</u>			
SAMPLE # <u>03</u>	FIELD #	DURING <u>114 LIBERTY ST</u>	<u>06:07</u>		<u>05</u>			<u>13</u>	<u>0.002</u>
LAB # <u>007067</u>		CWA/CLEAN ROOM OF	<u>06:07</u>		<u>05</u>			<u>100</u>	
PUMP #		PERSONNEL DECON	<u>06:20</u>	<u>05</u>	<u>05</u>	<u>3650.4</u>			
SAMPLE # <u>04</u>	FIELD #	DURING <u>114 LIBERTY ST</u>	<u>06:08</u>		<u>05</u>			<u>5</u>	<u>0.001</u>
LAB # <u>007068</u>		CWA/INSIDE RESTAURANT	<u>06:08</u>		<u>05</u>			<u>100</u>	
PUMP #		NEAR SOUTH END	<u>06:20</u>	<u>05</u>	<u>05</u>	<u>3650.4</u>			
SAMPLE # <u>05</u>	FIELD #	DURING <u>114 LIBERTY ST</u>	<u>06:08</u>		<u>05</u>			<u>8</u>	<u>0.001</u>
LAB # <u>007069</u>		CWA/SIDEWALK ON CEDAR ST	<u>06:08</u>		<u>05</u>			<u>100</u>	
PUMP #		AT LOADING DOCK ENTRANCE	<u>06:20</u>	<u>05</u>	<u>05</u>	<u>3650.4</u>			
SAMPLE # <u>06</u>	FIELD #	FIELD BLANK						<u>0</u>	<u>FB</u>
LAB # <u>007070</u>								<u>100</u>	
SAMPLE # <u>07</u>	FIELD #	FIELD BLANK						<u>0</u>	<u>FB</u>
LAB # <u>007071</u>								<u>100</u>	

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.6 MICRON MCE)	ID# <u>HFR-112</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PGR#() _____
LOT # _____	CALIB. DATE <u>6/10/03</u>	☐ 6 HRS ☒ OTHER <u>12</u>	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME : _____

RELINQUISHED BY: (print)	RECEIVED BY: (print)	RELINQUISHED BY: (print)	RECEIVED BY: (print)	ENTERED BY: (print)	CORRECTED BY: (print)	DATE	TIME
<u>K. B. KWENDE</u>	<u>Madell Collins</u>		<u>R. RODRIGUEZ</u>			<u>03/10/03</u>	<u>21:02</u>
						<u>3/11/03</u>	
						<u>3/11/03</u>	<u>11:45</u>

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY:	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	<u>203031933</u>
DATE: / / TIME:	☐ TEM - AHARA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

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 17 Junction Blvd.
 Bushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/11/2003
 Date Analyzed: 3/11/2003
 Batch #: 0303A495

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 11-March A 7245	Liberty Street/ Outside the Building Entrance/ Outside Work Area	720	3650.4	5/100	<u>0.0007<LOD</u>
002 11-March A 7246	Liberty Street/ Inside the Building/ Outside Work Area	720	3650.4	8/100	<u>0.0011</u>
003 11-March A 7247	Liberty Street/ Inside Clean Room Decon/ Outside Work Area	720	3650.4	8/100	<u>0.0011</u>
004 11-March A 7248	4 Cedar Street/ Inside the Building/ Outside Work Area	720	3650.4	6/100	<u>0.0008</u>
005 11-March A 7249	4 Cedar Street/ Outside the Building/ Outside Work Area	720	3650.4	4/100	<u>0.0005<LOD</u>
006 11-March A 7250	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 18, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/11/2003
 Date Analyzed: 3/11/2003
 Batch #: 0303A495

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 11-March A 7251	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 18, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

Scilab #: 203032026
Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYC DEP; 114 Liberty Street; NYC

Scilab Sample #	Client Sample #	Air Filtered (liters)	Dilution Factor	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	Total	>5.0	Total
01 inside	007245	3600		.12	0.0009	0.0	0.0	0.0	<0.0009	<0.0009
Liberty Street; Outside the Building Entrance (OWA)										
02 inside	007246	3600		.12	0.0009	0.0	1.0	1.0	0.0009	0.0009
Liberty Street; Inside the Building (OWA)										
03 inside	007247	3600		.12	0.0009	2.0	1.0	3.0	0.0009	0.0027
Liberty Street; Inside Clean Room Decon (OWA)										
04 inside	007248	3600		.12	0.0009	2.0	0.0	2.0	<0.0009	0.0018
4 Cedar Street; Inside the Building (OWA)										
05 inside	007249	3600		.12	0.0009	0.0	0.0	0.0	<0.0009	<0.0009
4 Cedar Street; Outside the Building (OWA)										

* concentration represented by the detection of 1 structure
** not analyzed
NSD: No Asbestos Structures Detected
Reviewed By:  : Analyzed By:  Date: 3/12/03
Mean Total Structure Density For Inside Samples: 10 structures/sq. mm.
Roman Pysakhov
NVLAP#: 200546-0

03/12/2003 19:44

2126799392

SCILAB NYC

PAGE 04/04

LC ENVIRONMENTAL CONSULTANTS, INC.

0303A495

AIR SAMPLE LOG

CLIENT: NYC - DEP

PROJECT NUMBER: 03-2744

SITE: 114 LIBERTY STREET, NYC

PROJECT MANAGER:

TECHNICIAN: ADEMOLA SAWLA

SIGNATURE

DATE: 03 / 11 / 03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

MR M. N. KILIAN

TEM / 24 HRS

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
AMPLE # AB # 007245 UMP #	LIBERTY STREET - OUTSIDE THE BUILDING ENTRANCE (DWA)	9:30 21:30	720	5 5	5	3650.4	5 100	0.0007 <600
AMPLE # AB # 007246 UMP #	LIBERTY STREET INSIDE THE BUILDING (DWA)	9:31 21:31	720	5 5	5	3650.4	8 100	0.0011
AMPLE # AB # 007247 UMP #	LIBERTY STREET, INSIDE CLEAN ROOM BECON (DWA)	9:32 21:32	720	5 5	5	3650.4	8 100	0.0011
AMPLE # AB # 007248 UMP #	4 CEDAR STREET, INSIDE THE BUILDING (DWA)	9:33 21:33	720	5 5	5	3650.4	6 100	0.0008
AMPLE # AB # 007249 UMP #	4 CEDAR STREET OUTSIDE THE BUILDING (DWA)	9:34 21:34	720	5 5	5	3650.4	4 100	0.0005 <600
AMPLE # AB # 007250 UMP #	FIELD BLANK						0 100	FB
AMPLE # AB # 007251 UMP #	FIELD BLANK						0 100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO	
1 PCM (0.8 MICRON MCE)	ID# 14RF 1/2	☐ 2 HRS	☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME	
1 TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS	☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR#()	
LOT #	CALIB. DATE 4/6/03	☐ 6 HRS	☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME	

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	DATE	TIME
ADEMOLA SAWLA	03/11/03	22:03
RECEIVED BY: (print)	3/12/03	
RELINQUISHED BY: (print)	3/12/03	
RECEIVED BY: (print)	3/12/03	10:55
ENTERED BY: (print)		
SELECTED BY: (print)		

LAB INFORMATION

AB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY: JTC	☒ PCM - NIOSH 7400.A	☒ OLYMPUS BH2/204104	203032026
DATE 3/12/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

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 9-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/12/2003
 Date Analyzed: 3/12/2003
 Batch #: 0303A509

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 12-March A 7434	During/ Outside Work Area/ Inside Restaurant/ 1st Floor/ Near Liberty Street Entrance	720	3650.4	3/100	<u>0.0004<LOD</u>
002 12-March A 7435	During/ Outside Work Area/ Clean Room of Personnel Decon	720	3650.4	4/100	<u>0.0005<LOD</u>
003 12-March A 7436	During/ Outside Work Area/ Stairwell to 2nd Floor/ Near Critical Barrier	720	3650.4	4/100	<u>0.0005<LOD</u>
004 12-March A 7437	During/ Outside Work Area/ Stairwell to Basement/ Near Entrance	720	3650.4	5/100	<u>0.0007<LOD</u>
005 12-March A 7438	During/ Outside Work Area/ Inside Restaurant/ 1st Floor/ Near Loading Dock Entrance	720	3650.4	4/100	<u>0.0005<LOD</u>
006 12-March A 7439	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

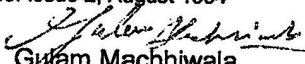
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 18, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/12/2003
Date Analyzed: 3/12/2003
Batch #: 0303A509

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 12-March A 7440	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

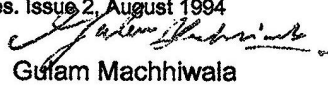
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 18, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SCILAB Job #: 203032150

Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 03-2744; NYC DEP; 114 Liberty Street, NY, NY/During

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	007434		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
	OWA Inside Restaurant; 1st Floor; Near Liberty St Entrance											
02	007435		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	OWA Clean Room of Personal Decor											
03	007436		3600	.12	0.0009	1.0	2.0	16.7	25.0	0.0018	0.0027	chrysotile
	OWA Stairwell to 2nd Floor Near Critical Barrier											
04	007437		3600	.12	0.0009	0.0	1.0	8.3	8.3	0.0009	0.0009	chrysotile
	OWA Stairwell to Basement Near Entrance											
05	007438		3600	.12	0.0009	2.0	0.0	<8.3	16.7	<0.0009	0.0018	chrysotile
	OWA Inside Restaurant; 1st Floor; Near Loading Dock Entrance											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

; Analyzed By: _____

Date: 3/13/03

Jonathan M. Teda

NVLAP#: 200546-0

ENVIRONMENTAL CONSULTANTS, INC.

0303A507

AIR SAMPLE LOG

CLIENT: NYC DEP TEM only 1/24 HRS

PROJECT NUMBER: 03-2744-

SITE: 114 LIBERTY STREET, MANHATTAN

PROJECT MANAGER: M. N. KHAN

TECHNICIAN: K. B. KWENDE

SIGNATURE: *[Signature]*

DATE: 03/12/03

WHITE COPY = FOLDER

PINK COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

114 LIBERTY STREET

PAGE 01 OF 01

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # 01 LAB # 007434 PUMP #	DURING/114 LIBERTY STREET DWA/INSIDE RESTAURANT (1st FLOOR)/NEAR LIBERTY ST ENTRANCE	10:25 22:25		05 05	05	3650.4	3/100	0.0004 CLD
SAMPLE # 02 LAB # 007435 PUMP #	DURING/114 LIBERTY STREET DWA/CLEAN ROOM OF PERSONNEL BECON	10:26 22:26		05 05	05	3650.4	4/100	0.0005 CLD
SAMPLE # 03 LAB # 007436 PUMP #	DURING/114 LIBERTY STREET DWA/STAIRWELL TO 2ND FL NEAR CRITICAL BARRIER	10:27 22:27		05 05	05	3650.4	4/100	0.0005 CLD
SAMPLE # 04 LAB # 007437 PUMP #	DURING/114 LIBERTY STREET DWA/STAIRWELL TO BASEMENT NEAR ENTRANCE	10:28 22:28		05 05	05	3650.4	5/100	0.0007 CLD
SAMPLE # 05 LAB # 007438 PUMP #	DURING/114 LIBERTY STREET DWA/INSIDE RESTAURANT (1st FL)/NEAR LOADING DOCK ENTRANCE	10:29 22:29		05 05	05	3650.4	4/100	0.0005 CLD
SAMPLE # 06 LAB # 007439	FIELD BLANK						0/100	FB
SAMPLE # 07 LAB # 007440	FIELD BLANK						0/100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HER-112	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PG# (718) 595-3744
LOT #	CALIB. DATE 01/06/03	☐ 6 HRS ☒ OTHER 12	☐ POST-ABATE ☐ AMBIENT	DATE 1/1 TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
K. B. KWENDE	<i>[Signature]</i>	03/12/03	23:05
RECEIVED BY: (print)	(sign)	3/13/03	
RELINQUISHED BY: (print)	(sign)	3/13/03	
RECEIVED BY: (print) A. Ramos	<i>[Signature]</i>	3/13/03	1140
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: <i>[Signature]</i>	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	203032150
DATE: 3/13/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

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 New York, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/13/03
 Date Analyzed: 3/14/03
 Batch #: 0303A519

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 13-March A 7609	During/ Front Entrance/ Adjacent to the Decon/ IWA	720	3650.4	4/100	<u>0.005<LOD</u>
002 13-March A 7610	During/ Inside Clean Room of Decon/ Bldg. # 114/ Liberty Street	720	3650.4	7/100	<u>0.009</u>
003 13-March A 7611	During/ At the Staircase/ Northeast Corner of Bldg.# 114/ IWA	720	3650.4	7/100	<u>0.009</u>
004 13-March A 7612	During/ At the Back Entrance/ Center of the Basement of Bldg.# 114/ IWA	720	3650.4	10/100	<u>0.001</u>
005 13-March A 7613	During/ At the Back Entrance/ IWA	720	3650.4	6/100	<u>0.008</u>
006 13-March A 7614	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

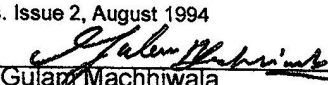
Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded


 Gulam Machhiwala
 Laboratory Director

Report Date: March 19, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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59-17 Junction Blvd.
Brooklyn, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/13/03
Date Analyzed: 3/14/03
Batch #: 0303A519

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 13-March A 7615	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

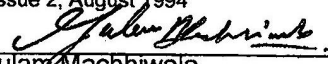
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 19, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab J 203032246

Client Name: JLC Environmental Consultants

Table I

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

032744; NYC DEP; 114 Liberty Street; Manhattan

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	007609		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	At the Front Entrance Adjacent to the Decon Inside the W.A.											
02	007610		3600	.12	0.0009	3.0	1.0	8.3	33.3	0.0009	0.0036	chrysotile
	Inside the clean Room of the Decon of Bldg. #114 Liberty Street											
03	007611		3600	.12	0.0009	4.0	1.0	8.3	41.7	0.0009	0.0045	chrysotile
	At the Staircase Northeast corner of Bldg. #114 Liberty Street Inside W/Area											
04	007612		3600	.12	0.0009	2.0	1.0	8.3	25.0	0.0009	0.0027	chrysotile
	At the Back Entrance to the Basement of Bldg. #114 Liberty Street Inside W/Area											
05	007613		3600	.12	0.0009	1.0	1.0	8.3	16.7	0.0009	0.0018	chrysotile
	At the Back Entrance of Bldg. #114 Liberty Street Inside W/Area											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

; Analyzed By: _____

Mark Peysakhov

Date: 3/15/03

NYLAP#: 200546-0

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

NT NYC DEP

0303A519

PROJECT NUMBER: 03-2744114 LIBERTY STR. MANHATTANPROJECT MANAGER: M.N. KHANH AN F. AGRODZASIGNATURE [Signature]DATE: 03/13/03

E COPY = PROJECT MANAGER

OW COPY = LABORATORY

203032246

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE ID	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
MPLE # <u>01</u> B # <u>007600</u> IMP #	DURING: - At the front entrance adjacent to the decon inside the W/area	<u>0800</u> <u>2000</u>	<u>720</u>	<u>5</u> <u>5</u>	<u>5</u>	<u>3650.4</u>	<u>4</u> <u>100</u>	<u>0.0005</u> <u>460</u>
MPLE # <u>02</u> B # <u>007610</u> IMP #	DURING: - In side the clean room of the decon of Bldg #114 Liberty Str.	<u>0805</u> <u>2005</u>	<u>720</u>	<u>5</u> <u>5</u>	<u>5</u>	<u>3650.4</u>	<u>7</u> <u>100</u>	<u>0.0009</u>
MPLE # <u>03</u> B # <u>007611</u> IMP #	DURING: - At the stair case North West Corner of Bldg #114 Liberty Str. inside W/area	<u>0815</u> <u>2015</u>	<u>720</u>	<u>5</u> <u>5</u>	<u>5</u>	<u>3650.4</u>	<u>7</u> <u>100</u>	<u>0.0009</u>
MPLE # <u>04</u> B # <u>007612</u> IMP #	DURING: - At the back entrance to the basement of Bldg #114 Lib. Str inside W/area	<u>0820</u> <u>2020</u>	<u>720</u>	<u>5</u> <u>5</u>	<u>5</u>	<u>3650.4</u>	<u>10</u> <u>100</u>	<u>0.001</u>
MPLE # <u>05</u> B # <u>007613</u> IMP #	DURING: - At the back entrance of bldg #114 liberty str inside the W/area	<u>0825</u> <u>2025</u>	<u>720</u>	<u>5</u> <u>5</u>	<u>5</u>	<u>3650.4</u>	<u>6</u> <u>100</u>	<u>0.0008</u>
MPLE # <u>06</u> B # <u>007614</u> IMP #	FIELD BLANK						<u>0</u> <u>100</u>	<u>FB</u>
MPLE # <u>07</u> B # <u>007615</u> IMP #	FIELD BLANK						<u>0</u> <u>100</u>	<u>FB</u>

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
PCM (0.8 MICRON MCE)	ID# <u>HAR-112</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME <u>PEONY</u>
TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR# <u>(718) 595-3744</u>
LOT #	CALIB. DATE <u>11/6/03</u>	☐ 6 HRS ☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE <u>03/13/03</u> TIME

RELINQUISHED BY: (print)	DATE	TIME
<u>F. AGRODZA</u>	<u>03/13/03</u>	<u>0845</u>
RECEIVED BY: (print)	<u>3/14/03</u>	
RELINQUISHED BY: (print)	<u>3/14/03</u>	<u>1135</u>
RECEIVED BY: (print)		
INTERVIEWED BY: (print)		
DIRECTED BY: (print)		

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
<u>JLC</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>JM</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE: <u>3/14/03</u> TIME:	☐ TEM - EPA LEVEL II		
BY: DATE			

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/14/03
 Date Analyzed: 3/17/03
 Batch #: 0303A523

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 14-March A 7678	During/ Front Entrance/ Adjacent to the Decon/ Inside Work Area	600	3650.4	12/100	<u>0.0016</u>
002 14-March A 7679	During/ Inside the Clean Room of Decon	600	3650.4	9/100	<u>0.0012</u>
003 14-March A 7680	During/ Staircase/ Northeast Side/ IWA	600	3650.4	9/100	<u>0.0012</u>
004 14-March A 7681	During/ Back Entrance/ Leading to the Basement/ IWA	600	3650.4	10/100	<u>0.0013</u>
005 14-March A 7682	During/ Back Entrance/ IWA	600	3650.4	5/100	<u>0.0007<LOD</u>
006 14-March A 7683	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

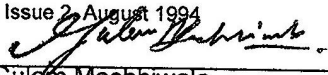
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2 August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 19, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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 9-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/14/03
 Date Analyzed: 3/17/03
 Batch #: 0303A523

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 14-March A 7684	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

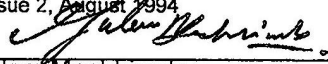
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994.

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 19, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SCILAB Lab #: 203032511

Client Name: JLC Environmental Consultants

Table I

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

03-2748; NYC DEP; 114 Liberty Str (During)

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	01/007678		3600	.12	0.0009	0.0	2.0	16.7	16.7	0.0018	0.0018	amphibole
	During - At The Front Entrance In The Decon Inside The Work Area											
02	02/007679		3600	.12	0.0009	0.0	2.0	16.7	16.7	0.0018	0.0018	chrysotile
	During - Inside The Clean Room Of The Decon Of Bldg #114 Liberty Str.											
03	03/007680		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During - At The Staircase Northeast Side Of Bldg #114 Liberty Str. Inside W/Area											
04	04/007681		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During - At The Back Entrance Leading To The Basement Of Bldg #114 Liberty Inside W/Area											
05**	05/007682		3600									
	During - At The Back Entrance Of Bldg #114 Liberty Str. Inside The W/Area Overloaded With Non-Asbestos Particulate											

* concentration represented by the detection of 1 structure
** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/17/03

Roman Petyakhov

NVLAP#: 200546-0

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

ENT NYC DEP

0303A523

PROJECT NUMBER: 03-2748-E: 114 LIBERTY STRPROJECT MANAGER: M. A. KHANCH IAN F. AGBODZA

SIGNATURE

DATE 03/14/03

ITE COPY = PROJECT MANAGER

LOW COPY = LABORATORY

203032511

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/min			
AMPLE # <u>01</u> AB # <u>007678</u> UMP # <u>007678</u>	DURING: - At the front entrance adjacent to the decon inside the w/area	0830/1830	600	6/6	6	3650.4	12/100	0.0016
AMPLE # <u>02</u> AB # <u>007679</u> UMP # <u>007679</u>	DURING: - In side the clean room of the decon of Bldg # 114 Liberty Str.	0835/1835	600	6/6	6	3650.4	9/100	0.0012
AMPLE # <u>03</u> AB # <u>007680</u> UMP # <u>007680</u>	DURING: - At the stair case Northeast side of Bldg # 114 Liberty Str. inside w/area	0840/1840	600	6/6	6	3650.4	9/100	0.0012
AMPLE # <u>04</u> AB # <u>007681</u> UMP # <u>007681</u>	DURING: - At the back entrance leading to the basement of Bldg # 114 Lib. inside w/area	0845/1845	600	6/6	6	3650.4	10/100	0.0013
AMPLE # <u>05</u> AB # <u>007682</u> UMP # <u>007682</u>	DURING: - At the back entrance of bldg # 114 liberty str. inside the w/area	0850/1850	600	6/6	6	3650.4	5/100	0.0007
SAMPLE # <u>06</u> AB # <u>007683</u>	FIELD BLANK						0/100	CLAP FB
SAMPLE # <u>07</u> AB # <u>007684</u>	FIELD BLANK						0/100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
PCM (0.8 MICRON MCE)	ID# <u>HRK 112</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME <u>PENNY</u>
TEM (0.45 MICRON MCE)	C.F. <u>J. 014</u>	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PG# <u>015545.3744</u>
LOT #	CALIB. DATE <u>1/6/03</u>	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE <u>3/14/03</u> TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>F. AGBODZA</u>	<u>[Signature]</u>	<u>03/14/03</u>	<u>1900</u>
RECEIVED BY: (print)	(sign)		
<u>J.B</u>	<u>[Signature]</u>	<u>3/12/03</u>	
RELINQUISHED BY: (print)	(sign)		
<u>J.B</u>	<u>[Signature]</u>	<u>3/17/03</u>	
RECEIVED BY: (print)	(sign)		
<u>Leona Hedrick</u>	<u>[Signature]</u>	<u>3/17/03</u>	<u>1050</u>
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
<u>JLC</u>	☒ PCM - NIOSH 7400.A	☒ OLYMPUS BH2/204104	
ANALYZED BY: <u>[Signature]</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE: <u>3/17/03</u> TIME:	☐ TEM - EPA LEVEL II		
QC BY: DATE:			

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 9-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/15/03
 Date Analyzed: 3/17/03
 Batch #: 0303A524

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 15-March A 7685	During/ Front Entrance/ Adjacent to Decon/ IWA	600	3650.4	12/100	<u>0.0016</u>
002 15-March A 7686	During/ Clean Room of Decon	600	3650.4	11/100	<u>0.0015</u>
003 15-March A 7687	During/ Adjacent to the Staircase/ Near the Decon	600	3650.4	9/100	<u>0.0012</u>
004 15-March A 7688	During/ Back Entrance in the Basement	600	3650.4	9/100	<u>0.0012</u>
005 15-March A 7689	During/ Back Entrance in the Basement	600	3650.4	7/100	<u>0.0009</u>
006 15-March A 7690	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

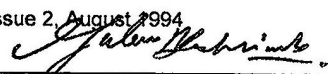
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 20, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Phone: (212) 420-8119 Fax: (212) 420-6092

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9-17 Junction Blvd.
Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/15/03
Date Analyzed: 3/17/03
Batch #: 0303A524

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 15-March A 7691	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

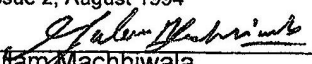
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 20, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab Jo 203032509

Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYC DEP; 114 Liberty St - (During)

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	Total	>5.0 Total	>5.0 Total	
01	01/007685		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
During - At The Front Entrance Adjacent To The Deck Inside The W/Area Of Bldg #114 Liberty											
02	02/007686		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
During - Inside The Clean Room Of The Deck Bldg #114 Liberty Str.											
03	03/007687		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
During - Adjacent To The Staircase Near The Deck Bldg #114 Liberty Str.											
04	04/007688		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
During - At The Back Entrance To The Basement Of Bldg #114 Liberty Str.											
05	05/007689		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
During - At The Back Entrance Of Bldg #114 Liberty Str.											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/17/03

Roman Poyssakhov

NVLAP#: 200546

ENVIRONMENTAL CONSULTANTS, INC.

0303A524

AIR SAMPLE LOG

ENT. NYC DEP

PROJECT NUMBER: 03-2744-

E. 114 LIBERTY STR.

PROJECT MANAGER: M. N. KHAN

CHIEF: FRED AGIBODZA

SIGNATURE

7

DATE: 03/15/03

SITE COPY = PROJECT MANAGER

LOW COPY = LABORATORY

203082509

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (/cc)
		start/end	min	start/end	l/m			
SAMPLE # 01 AB # 007685 PUMP #	DURING: - At the front Entrance adjacent to the decon inside the W/area of bldg #114 Liberty	0300 1800	600	6 6	6	3650.4	12 100	0.0016
SAMPLE # 02 AB # 007685 PUMP #	DURING: - In side the clean room of the decon Bldg #114 Liberty Str.	0303 1803	600	6 6	6	3650.4	11 100	0.0015
SAMPLE # 03 AB # 007687 PUMP #	DURING: - Adjacent to the Staircase near the decon Bldg #114 Liberty Str.	0306 1806	600	6 6	6	3650.4	9 100	0.0012
SAMPLE # 04 AB # 007688 PUMP #	DURING: - At the back Entrance to the basement of Bldg #114 Liberty Str.	0309 1809	600	6 6	6	3650.4	9 100	0.0012
SAMPLE # 05 AB # 007689 PUMP #	DURING: - At the back Entrance of Bldg #114 Liberty Str.	0312 1812	600	6 6	6	3650.4	7 100	0.0009
SAMPLE # 06 AB # 007690 PUMP #	FIELD BLANK						0 100	FB
SAMPLE # 07 AB # 007691 PUMP #	FIELD BLANK						0 100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# HER-112	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PR# (718) 595-3744
LOT #	CALIB. DATE 1/6/03	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	DATE	TIME
F. AGIBODZA	03/15/03	1900
RECEIVED BY: (print)		
J.B.	3/17/03	
RELINQUISHED BY: (print)		
J.B.	3/17/03	
RECEIVED BY: (print)		
Leona Hedrick	3/17/03	1050
ENTERED BY: (print)		
RECTED BY: (print)		

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
JLC	☒ PCM - NIOSH 7400.A	☒ OLYMPUS BH2/204104	
ANALYZED BY: TH	☒ TEM - AHERA	☐ OLYMPUS CHS7C0021	
DATE: 3/17/03 TIME:			
QC BY: DATE:			

JLC ENVIRONMENTAL CONSULTANTS, INC.
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 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 9-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/17/03
 Date Analyzed: 3/17/03
 Batch #: 0303A525

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 16-March A 7692	During/ Front Entrance/ Adjacent to the Decon/ IWA	600	3650.4	17/100	<u>0.0023</u>
002 16-March A 7693	During/ Inside the Clean Room of Decon	600	3650.4	45/100	<u>0.0060</u>
003 16-March A 7694	During/ Adjacent to the Staircase/ Near Decon/ IWA	600	3650.4	30/100	<u>0.0040</u>
004 16-March A 7695	During/ Back Entrance to the Basement	600	3650.4	8/100	<u>0.0011</u>
005 16-March A 7696	During/ Back Entrance to the Back	600	3650.4	13/100	<u>0.0017</u>
006 16-March A 7697	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

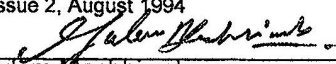
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 20, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/17/03
Date Analyzed: 3/17/03
Batch #: 0303A525

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 16-March A 7698	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

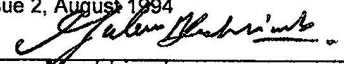
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 20, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYC DEP; 114 Liberty Str. - (During)

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	Total	>5.0 Total	>5.0 Total	
01	01/007692		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During - At The Front Entrance Adjacent To The Decon Inside The W/Arca										
02	02/007693		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During - Inside The Clean Room Of The Decon Bldg #114 Liberty Str.										
03	03/007694		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During - Adjacent To The Staircase Near The Decon Inside W/Arca Bldg #114 Liberty										
04	04/007695		3600	.12	0.0009	0.0	2.0	2.0	16.7	0.0018	amphibole
	During - At The Back Entrance To The Basement Bldg #114 Liberty Str.										
05	05/007696		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During - At The Back Entrance To The Back Bldg # 114 Liberty Str.										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/17/03

Roman Pysakchov

NVLAP#: 200546-0

TE: 114 LIBERTY STR.

PROJECT NUMBER: 03-2744

TECHNICIAN F. AGBODZA

PROJECT MANAGER: M.N. KHAN

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

SIGNATURE

[Signature]

DATE 03/16/03

PARTIAL CONTAINMENT

203032510

PAGE 1 OF 1

SAMPLE ID		DESCRIPTION / LOCATION		TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #			start/end	min	start/end	l/m			
03-07692		DURING:- At the front entrance adjacent to the decon inside the W/area		0800/1800	600	6/6	6	3650.4	17/100	0.0023
PUMP #										
03-07693		DURING:- In side the clean room of the decon Bldg # 114 Liberty Str.		0803/1803	600	6/6	6	2650.4	45/100	0.0060
PUMP #										
03-07694		DURING:- Adjacent to the stair case near the decon inside W/area Bldg# 114 Lib		0806/1806	600	6/6	6	3650.4	30/100	0.0040
PUMP #										
03-07695		DURING:- At the back Entrance to the basement Bldg # 114 Liberty Str.		0809/1809	600	6/6	6	3650.4	8/100	0.0011
PUMP #										
03-07696		DURING:- At the back Entrance to the back Bldg # 114 Liberty Str.		0812/1812	600	6/6	6	3650.4	13/100	0.0017
PUMP #										
03-07697		FIELD BLANK								
PUMP #										
03-07698		FIELD BLANK								
PUMP #										

CASSETTE	ROTOMETER	TURNAROUND TIME	TECHNICIAN'S LOG	TYPE	RESULTS TO
PCM (0.8 MICRON MCE)	ID# HFR 112	☐ 2 HRS ☐ 24 HRS		☐ PRE-ABATE ☐ OSHA	NAME PENNY
TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS		☒ DURING ☐ ENVIRON	PHI/PGR# (715) 595-3744
LOT#	CALIB. DATE 1/6/03	☐ 6 HRS ☒ OTHER		☐ POST-ABATE ☐ AMBIENT	DATE / / TIME

ELINQUISHED BY:(print) F. AGBODZA	(sign) <i>[Signature]</i>	DATE 03/16/03	TIME 1900
RECEIVED BY:(print) J.B	(sign) <i>[Signature]</i>	DATE 3/17/03	
ELINQUISHED BY:(print) J.B	(sign) <i>[Signature]</i>	DATE 3/17/03	
RECEIVED BY:(print) Leon Hedrick	(sign) <i>[Signature]</i>	DATE 3/17/03	1050
ENTERED BY:(print)	(sign)		
CORRECTED BY:(print)	(sign)		

LAB NAME: JLC	LAB INFORMATION		COMMENTS
TESTED BY: JLC	METHODOLOGY	MICROSCOPE/SERIAL #	
DATE: 3/17/03	☐ PCM - NIOSH 7400.A ☐ TEM - AHERA ☐ TEM - EPA LEVEL II	☒ OLYMPUS BH2/204104 ☐ OLYMPUS CHS7C0021	
BY: DATE			

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 17 Junction Blvd.
 Bushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/18/03
 Date Analyzed: 3/18/03
 Batch #: 0303A536

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 17-March A 7869	During/ At the Front Entrance to the Decon/ IWA	600	3650.4	Overload	<u>Overloaded</u>
002 17-March A 7870	During/ Inside the Clean Room of the Decon	600	3650.4	Overload	<u>Overloaded</u>
003 17-March A 7871	During/ Staircase Adjacent to the Waste Decon	600	3650.4	Overload	<u>Overloaded</u>
004 17-March A 7872	During/ At the Back Entrance to the Basement	600	3650.4	Overload	<u>Overloaded</u>
005 17-March A 7873	During/ At the Back Entrance to the Bldg.	600	3650.4	Overload	<u>Overloaded</u>
006 17-March A 7874	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

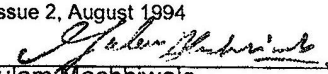
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Shing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/18/03
Date Analyzed: 3/18/03
Batch #: 0303A536

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 17-March A 7875	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

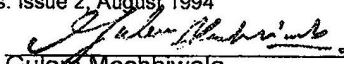
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab Lab #: 203032675

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP; 114 Liberty St. - During

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	007869		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
	During At The Front Entrance Adj. To The Decon Inside The W/Area Of Bldg. #114 Liberty											
02	007870		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
	During Inside The Clean Room Of The Decon Bldg. #114 Liberty											
03	007871		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During The Staircase Adj. To The Waste Decon Bldg. #114 Liberty											
04	007872		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
	During At The Back Entrance To The Basement Of Bldg. #114 Liberty											
05	007873		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During At The Back Entrance Of Bldg. #114 Liberty On Cedar St.											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/18/03

Jonathan M. Teda

NVLAP#: 200546-0

LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

ENT: NYC DEP TEM only / 24HRS

PROJECT NUMBER: 03-2744-

E: 114 LIBERTY STR

PROJECT MANAGER: M-N-KHAN

TECHNICIAN: F. AGBOZEA

SIGNATURE: *[Signature]*

DATE: 03, 17, 03

SITE COPY = PROJECT MANAGER

LOW COPY = LABORATORY

PARTIAL CONTAMINANT

203032675 PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # 01 LAB # 007869 PUMP #	DURING: - At the front entrance adjacent to the decon inside the window of Bldg 114 Liberty	0602 0702	600	6 6	6	3650.4	overloaded w/ dust	
SAMPLE # 02 LAB # 007870 PUMP #	DURING: - In side the clean room of the decon Bldg # 114 liberty str.	0604 0704	600	6 6	6	3650.4	overloaded w/ dust	
SAMPLE # 03 LAB # 007871 PUMP #	DURING: - The staircase adjacent to the waste decon Bldg # 114 Liberty av.	0606 0706	600	6 6	6	3650.4	overloaded w/ dust	
SAMPLE # 04 LAB # 007872 PUMP #	DURING: - At the back entrance to the basement of Bldg # 114 liberty av.	0608 0708	600	6 6	6	3650.4	overloaded w/ dust	
SAMPLE # 05 LAB # 007873 PUMP #	DURING: - At the back entrance of bldg # 114 on cedar str.	0610 0710	600	6 6	6	3650.4	overloaded w/ dust	
SAMPLE # 06 LAB # 007874	FIELD BLANK						0 100	FB
SAMPLE # 07 LAB # 007875	FIELD BLANK						0 100	FB

TECHNICIAN LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PG# (78) 594-2744
LOT #	CALIB. DATE 1/16/03	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME

RELINQUISHED BY: (print)	(sign)	DATE	TIME
F. AGBOZEA	<i>[Signature]</i>	03, 17, 03	1900
RECEIVED BY: (print) J.B	(sign) <i>[Signature]</i>	3, 18, 03	
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print) <i>[Signature]</i>	(sign) <i>[Signature]</i>	3, 18, 03	1110
ENTERED BY: (print)	(sign)		
DIRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: <i>[Signature]</i>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: 3/18/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA 16VFL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
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New York City D.E.P.
 9-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/18/03
 Date Analyzed: 3/18/03
 Batch #: 0303A550

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 18-March A 8053	During/ Front Entrance/ Adjacent to the Decon Ground Floor	600	3650.4	7/100	<u>0.0009</u>
002 18-March A 8054	During/ Inside the Clean Room of Decon/ Ground Floor	600	3650.4	8/100	<u>0.0011</u>
003 18-March A 8055	During/ Adjacent to the Stair Case/ Near the Decon/ Ground Floor	600	3650.4	7/100	<u>0.0009</u>
004 18-March A 8056	During/ At the Back Entrance Leading to the Basement/ Ground Floor	600	3650.4	4/100	<u>0.0005</u>
005 18-March A 8057	During/ At the Back Entrance/ Cedar Side of Street	600	3650.4	4/100	<u>0.0005</u>
006 18-March A 8058	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

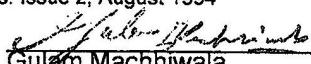
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 24, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
59-17 Junction Blvd.
Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/18/03
Date Analyzed: 3/18/03
Batch #: 0303A550

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 18-March A 8059	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

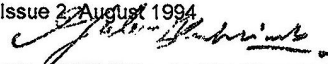
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2 August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 24, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab # 203032780

Client Name: JLC Environmental Consultants

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744/ 0303A550; NYC DEP; 114 Liberty Street/ During

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	008053		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During: At The Front Entrance Adj To The Decon Ground Floor Of Bldg #114 Liberty St.										
02	008054		3600	.12	0.0009	1.0	1.0	8.3	16.7	0.0009	0.0018	chrysotile
		During: Inside The Clean Room Of The Decon Ground Floor Bldg #114 Liberty St.										
03	008055		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During: Adj to The Staircase Near The Decon Ground Floor, Bldg #114 Liberty St.										
04	008056		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During: At The Back Entrance Leading To The Basement Ground Floor Bldg 114 Liberty St.										
05	008057		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During: At The Back Entrance Of Bldg #114 On The Cedar Side Of The Street										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

: Analyzed By:

Date: 3/20/03

Aleksandr Barengolts

NVLAP#: 200546-0

03/28/2003 17:41

2126799392

SCILAB NYC

PAGE 03/03

LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DEP

0303A550

PROJECT NUMBER: 03-2744

SITE: 114 LIBERTY STR.

PROJECT MANAGER:

EQUIPMENT: F. AGBODZA

SIGNATURE: M. J. P.

DATE: 03, 18, 03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

TEM only / 24 HRS

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/min			
SAMPLE # 01 LAB # 008053 PUMP #	DURING: At the front entrance adjacent to the decon ground floor of bldg #114 Liberty Str.	0800/1800	600	6/6	6	3650.4	7/100	0.0009
SAMPLE # 02 LAB # 008054 PUMP #	DURING: - Inside the clean room of the decon ground floor bldg #114 Liberty Str.	0802/1802	600	6/6	6	3650.4	8/100	0.0011
SAMPLE # 03 LAB # 008055 PUMP #	DURING: - Adjacent to the stair case near the decon ground floor, Bldg #114 Liberty Str.	0804/1804	600	6/6	6	3650.4	7/100	0.0009
SAMPLE # 04 LAB # 008056 PUMP #	DURING: - At the back entrance leading to the basement ground floor bldg 114 Liberty	0806/1806	600	6/6	6	3650.4	4/100	0.0005 clad
SAMPLE # 05 LAB # 008057 PUMP #	DURING: - At the back entrance of bldg #114 on the cedar side of the STR.	0808/1808	600	6/6	6	3650.4	4/100	0.005 clad
SAMPLE # 06 LAB # 008058 PUMP #	FIELD BLANK						0/100	FB
SAMPLE # 07 LAB # 008059 PUMP #	FIELD BLANK						0/100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS	☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS	☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR# (718) 595-3744
LOT #	CALIB. DATE 1/16/03	☐ 6 HRS	☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME

RELINQUISHED BY: (print)	DATE	TIME
F. AGBODZA	03/18/03	1900
RECEIVED BY: (print) J.B.	03/19/03	
RELINQUISHED BY: (print)		
RECEIVED BY: (print) Leona Hedrick	3/19/03	1150
ENTERED BY: (print)		
CORRECTED BY: (print)		

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY		MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: M	☒ PCM - NIOSH 7400.A		☒ OLYMPUS BH2/204104	
DATE: 3/19/03 TIME:	☐ TEM - AHERA		☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II			

SciLab Job #: 203032913

Client Name: JLC Environmental Consultants

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYDEP; 114 Liberty Street/DURINGS

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	Total	>5.0	Total	
01	008288		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During-At the Front Entrance Adj. to the Decon Ground Floor; Bldg. #114 Liberty St.										
02	008289		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During-Inside the Clean Room of the Decon Ground Floor; Bldg. #114 Liberty St.										
03	008290		3600	.12	0.0009	4.0	0.0	4.0	<8.3	0.0036	chrysotile
	During-Adj. to the Staircase Near Decon Ground Floor; Bldg. #114 Liberty St.										
04	008291		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During-At the Back Entrance Leading to Basement Ground Floor; Bldg. #114 Liberty St.										
05	008292		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During-At the Back Entrance of Bldg. #114 On the Cedar Side of the St.										

* concentration represented by the detection of 1 structure

** not analyzed

*SD: No Asbestos Structures Detected

Reviewed By: _____

Analyzed By: _____

Date: 3/20/03

Aleksandr Barengolts

NYLAP#: 200546-0



JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 3-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/20/2003
 Date Analyzed: 3/20/2003
 Batch #: 0303A571

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 19-March A 8288	During/ At the Front Entrance/ Adjacent tot the Decon/ Ground Floor/ Building #114 Liberty Street	600	3650.4	9/100	<u>0.0012</u>
002 19-March A 8289	During/ Inside the Clean Room of the Decon/ Ground Floor/ Building #114 Liberty Street	600	3650.4	11/100	<u>0.0014</u>
003 19-March A 8290	During/ Adjacent to the Staircase Near Decon/ Ground Floor/ Building #114 Liberty Street	600	3650.4	8/100	<u>0.0010</u>
004 19-March A 8291	During/ At the Back Entrance Leading to Basement/ Ground Floor/ Building #114 Liberty Street	600	3650.4	8/100	<u>0.0010</u>
005 19-March A 8292	During/ At the Back Entrance of Building #114 on the Cedar Side of the Street	600	3650.4	7/100	<u>0.0009</u>
006 19-March A 8293	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

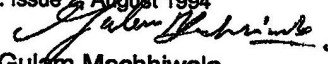
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 24, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/20/2003
 Date Analyzed: 3/20/2003
 Batch #: 0303A571

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 19-March A 8294	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

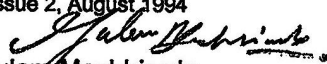
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 24, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

03/20/2003 21:49 2126799392

SCILAB NYC

PAGE 03/03

ILC ENVIRONMENTAL CONSULTANTS, INC.

0303A-571

AIR SAMPLE LOG

CLIENT: NYC DEP

PROJECT NUMBER: 03-2744-

SITE: 114 LIBERTY STR.

PROJECT MANAGER: M. M. KHAN

ANALYST: F. AGIBODZA

SIGNATURE: 

DATE 13 / 19 / 03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

203032913

PAGE 1 OF 1

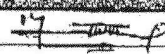
SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (/cc)
		start/ end	min	start/ end	l/min			
SAMPLE # 01-8-88 LAB # 008288 PUMP #	DURING: At the front entrance adjacent to the decon ground floor Bldg # 114 Liberty STR.	0802 1800	600	6 6	6	3650.4	9 100	0.0012
SAMPLE # 02-8-88 LAB # 008289 PUMP #	DURING: In side the clean room of the decon ground floor Bldg # 114 Liberty STR.	0802 1802	600	6 6	6	3650.4	11 100	0.0014
SAMPLE # 03-8-88 LAB # 008290 PUMP #	DURING: Adjacent to the stair case near decon ground floor bldg # 114 Liberty STR.	0804 1804	600	6 6	6	3650.4	8 100	0.0010
SAMPLE # 04-8-88 LAB # 008291 PUMP #	DURING: At the back entrance leading to basement ground floor Bldg # 114 Liberty STR.	0806 1806	600	6 6	6	3650.4	8 100	0.0010
SAMPLE # 05-8-88 LAB # 008292 PUMP #	DURING: At the back entrance of Bldg # 114 on the Cedar side of the STR.	0808 1808	600	6 6	6	3650.4	7 100	0.0009
SAMPLE # 06-8-88 LAB # 008293 PUMP #	FIELD BLANK						0 100	FB
SAMPLE # 07-8-88 LAB # 008294 PUMP #	FIELD BLANK						0 100	FB

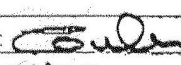
TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.01A	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR# (718) 595-3744
LOT #	CALIB. DATE 1/6/03	☐ 6 HRS ☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME :

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
F. AGIBODZA		03/19/03	1900
RECEIVED BY: (print) T.M.	(sign) T.M.	3/20/03	
RELINQUISHED BY: (print) C. Ramos	(sign) 	3/20/03	1140
RECEIVED BY: (print)	(sign)		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: 	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: 3/20/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/20/03
 Date Analyzed: 3/21/03
 Batch #: 0303A589

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(mln)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 20-March A 8466	Decon/ Clean Room	600	3650	41/100	<u>0.0055</u>
002 20-March A 8467	Right Side of Decon/ Near Stairs	600	3650	35/100	<u>0.0047</u>
003 20-March A 8468	Left Side of Decon/ Hallway/ Access from Liberty Street	600	3650	13/100	<u>0.0017</u>
004 20-March A 8469	By Entrance to the Basement	600	3650	37/100	<u>0.0050</u>
005 20-March A 8470	Hallway/ Access from Cedar Street	600	3650	34/100	<u>0.0046</u>
006 20-March A 8471	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

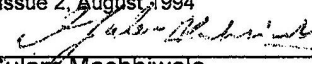
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 21, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/20/03
 Date Analyzed: 3/21/03
 Batch #: 0303A589

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(#cc)
007 20-March A 8472	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

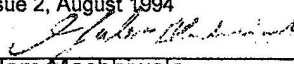
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 21, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab # 203033049

Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYC DEP; 114 Liberty Street; Manhattan/DURINGS

SciLab Sample #	Client Sample #	Air Dilution Factor	Area 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	Total	>5.0	Total	
01	008466 Decon Clean Room	3600	.12	0.0009	1.0	0.0	0.0	1.0	<8.3	8.3	chrysotile
02	008467 On Right Side of Decon Near Stairs	3600	.12	0.0009	0.0	0.0	0.0	0.0	<8.3	<8.3	NSD
03	008468 On Left Side of Decon Hallway; Access From Liberty St.	3600	.12	0.0009	0.0	0.0	0.0	0.0	<8.3	<8.3	NSD
04	008469 By Entrance to the Basement	3600	.12	0.0009	0.0	0.0	0.0	0.0	<8.3	<8.3	NSD
05	008470 Hallway Access From Cedar St.	3600	.12	0.0009	0.0	0.0	0.0	0.0	<8.3	<8.3	NSD

* concentration represented by the detection of 1 structure
 as not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/21/03

Mark Peysakhov

NYLAB#: 200546-0

03/22/2003 02:02 2126799392

SCILAB NYC

PAGE 04/04

ENVIRONMENTAL CONSULTANTS, INC.

0303A-589

AIR SAMPLE LOG

AGENT: NYC DEP

PROJECT NUMBER: 03-2744

E: 114 LIBERTY ST, MANHATTAN

PROJECT MANAGER: M.N. KHAN

CONTACT: VICTOR QUIZHPI

SIGNATURE: *[Signature]*

DATE 3/20/03

NOTE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

24HRS / TEM only

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
AMPLE # 01 AB # 008466 UMP #	DECON CLEAN ROOM	08:20 18:20	600	6 6	6	3650	41 100	0.0055
AMPLE # 02 AB # 008467 UMP #	ON RIGHT SIDE OF DECON NEAR STAIRS	08:21 18:21	600	6 6	6	3650	35 100	0.0047
AMPLE # 03 AB # 008468 UMP #	ON LEFT SIDE OF DECON HALLWAY - ACCESS FROM LIBERTY STREET.	08:22 18:22	600	6 6	6	3650	13 100	0.0017
AMPLE # 04 AB # 008469 UMP #	BY ENTRANCE TO THE BASEMENT	08:23 18:23	600	6 6	6	3650	37 100	0.0050
AMPLE # 05 AB # 008470 PUMP #	HALLWAY - ACCESS FROM CEDAR ST.	08:24 18:24	600	6 6	6	3650	34 100	0.0046
AMPLE # 06 AB # 008471	FIELD BLANK	—	—	—	—	—	0 100	FB
AMPLE # 07 AB # 008472	FIELD BLANK	—	—	—	—	—	0 100	FB

TECHNICAL LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PCR# ()
LOT #	CALIB. DATE 1/6/03	☒ 6 HRS ☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) N. QUIZHPI	(sign) <i>[Signature]</i>	3/20/03	19:00
RECEIVED BY: (print) TM	(sign) <i>[Signature]</i>	3/21/03	
RELINQUISHED BY: (print)	(sign)	3/21/03	12:00
RECEIVED BY: (print) Q. Remond	(sign) <i>[Signature]</i>		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY: TM	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	At 5 p.m. Gen. Fractor began loading a truck with metal ducts through Cedar St. access.
DATE: 3/21/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/24/03
 Date Analyzed: 3/24/03
 Batch #: 0303A597

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 21-March A 8563	During/ Inside Entrance to Bld./ Northern Side	600	3650	5/100	<u>0.0007</u>
002 21-March A 8564	During/ Personal Decon/ Clean Room	600	3650	3/100	<u>0.0004<LOD</u>
003 21-March A 8565	During/ Inside/ Eastern Side of Bldg.	600	3650	15/100	<u>0.0020</u>
004 21-March A 8566	During/ Inside/ Entrance to Basement	600	3650	7/100	<u>0.0009</u>
005 21-March A 8567	During/ Inside of Bldg./ Ceader St. Entrance	600	3650	5/100	<u>0.0007</u>
006 21-March A 8568	FIELD BLANK			0/100	

Sample Analysis by:
 Positive Phase Contrast Microscopy (PCM)

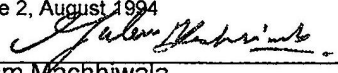
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

JLC ENVIRONMENTAL CONSULTANTS, INC.
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 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/24/03
 Date Analyzed: 3/24/03
 Batch #: 0303A597

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 21-March A 8569	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).

Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab #: 203033339

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP WTC; 114 Liberty Street; NY, NY/DURINGS

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	Total	>5.0 Total	>5.0 Total	
01	008563		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During/Inside-Entrance to Bldg., Liberty Street - Northern Side										
02	008564		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During/Personal Decon Clean Room										
03	008565		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During/Inside-Eastern Side of Bldg.										
04	008566		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During/Inside-Entrance to Basement										
05	008567		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	NSD
	During/Inside of Bldg., Cedar Street Entrance										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/24/03

Roman Reysakhov

NVLAP#: 200546-0

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DEP. WTC

0303A597

PROJECT NUMBER: 03-2744

SITE: 114 LIBERTY STREET N.Y. N.Y.

PROJECT MANAGER: M. N. KHAN.

COLLECTOR: SHAWN RATKUMAR

SIGNATURE: *Shaykumar*

DATE: 03/21/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

TEM only / 24 HRS

PAGE 01 OF 01

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # 01 AB # 008563 UMP #	DURING/ INSIDE - ENTRANCE TO BLD. LIBERTY STREET. NORTHERN SIDE.	08:18 18:18	600	6 6	6	3650.	5 100	0.0007 1.00
SAMPLE # 02 AB # 008564 UMP #	DURING/ PERSONAL DECON CLEAN ROOM.	08:20 18:20	600	6 6	6	3650.	3 100	0.0004 LOD
SAMPLE # 03 AB # 008565 UMP #	DURING/ INSIDE - EASTERN SIDE OF BLD.	08:22 18:22	600	6 6	6	3650.	15 100	0.0020
SAMPLE # 04 AB # 008566 UMP #	DURING/ INSIDE - ENTRANCE TO BASEMENT.	08:24 18:24	600	6 6	6	3650.	7 100	0.0009
SAMPLE # 05 AB # 008567 UMP #	DURING/ INSIDE OF BLD. READER ST. ENTRANCE.	08:26 18:26	600	6 6	6	3650.	5 100	0.0007
SAMPLE # 06 AB # 008568 UMP #	FIELD BLANK						0 100	FB
SAMPLE # 07 AB # 008569 UMP #	FIELD BLANK						0 100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME PENNY.
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PG#()
LOT #	CALIB. DATE 1/16/03	☐ 8 HRS ☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE 03/22/03 TIME 8:00 AM.

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
SHAWN RATKUMAR	<i>Shaykumar</i>	03/21/03	19:00
RECEIVED BY: (print)	(sign)	3/24/03	
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print) Leona Hedrick	<i>Leona Hedrick</i>	3/24/03	1130
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
JLC	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY <i>JB</i>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE 3/24/03 TIME:	☐ TEM - EPA LEVEL II		
QC BY:			
DATE:			

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 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/22/03
 Date Analyzed: 3/24/03
 Batch #: 0303A598

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 22-March A 8570	During/ At the Front Entrance/ Adjacent to the Decon/ Ground Floor	600	3650.4	17/100	<u>0.0023</u>
002 22-March A 8571	During/ Inside the Clean Room of Decon/ Ground Floor	600	3650.4	15/100	<u>0.0020</u>
003 22-March A 8572	During/ Adjacent to the Staircase/ Near Decon/ Ground Decon	600	3650.4	15/100	<u>0.0020</u>
004 22-March A 8573	During/ At the Back Entrance/ Leading to Basement/ Ground Floor	600	3650.4	9/100	<u>0.0012</u>
005 22-March A 8574	During/ At the Back Entrance/ Cedar Side of the Street	600	3650.4	5/100	<u>0.0007</u>
006 22-March A 8575	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 28, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/22/03
 Date Analyzed: 3/24/03
 Batch #: 0303A598

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(mIn)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 22-March A 8576	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

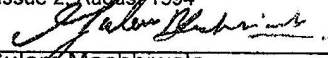
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 28, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab Job #: 203033340

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP; 114 Liberty Street/DURINGS

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	008570		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During-At the Front Entrance Adj. to the Decon Ground Floor, Bldg. 114 Liberty St.										
02	008571		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During- Inside the Clean Room of the Decon Ground Floor; Bldg. 114 Liberty St.										
03	008572		3600	.12	0.0009	0.0	1.0	8.3	8.3	0.0009	0.0009	amphibole
		During-Adj. To the Staircase Near Decon Ground Floor, Bldg. 114 Liberty St.										
04	008573		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During-At the Back Entrance Leading to Basement Ground Floor, Bldg. 114 Liberty St.										
05	008574		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During-At the Back Entrance of Bldg. 114 on the Cedar Side of the St.										

* concentration represented by the detection of 1 structure
 ** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/24/03

Roman Poyarkov

NVLAP#: 200546-0

03/24/2003 21:32 2126799392

SCILAB NYC

PAGE 04/04

LC ENVIRONMENTAL CONSULTANTS, INC. 0303A598

AIR SAMPLE LOG

ENT: NYC DEP

PROJECT NUMBER: 03-2744-

E: 114 LIBERTY STR.

PROJECT MANAGER: M.M. KHAN

CHIEF: F. AGBODZA

SIGNATURE: [Signature]

DATE 03/22/03

ITE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

TEM only / 24 HRS

PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)	
		start/end	min	start/end	l/m				
SAMPLE # 01 AB 008570 PUMP #	DURING: At the front Entrance adjacent to the decon ground floor Bldg # 114 Liberty STR.	0800 1800	600	6 6	6	3650.4	17 100	0.0023	
SAMPLE # 02 AB 008571 PUMP #	DURING: Inside the decon room of the decon ground floor Bldg # 114 Liberty STR.	0801 1801	600	6 6	6	3650.4	15 100	0.0020	
SAMPLE # 03 AB 008572 PUMP #	DURING: Adjacent to the stair case near decon ground floor bldg # 114 Liberty STR.	0802 1802	600	6 6	6	3650.4	15 100	0.0020 0.0020	
SAMPLE # 04 AB 008573 PUMP #	DURING: At the back Entrance leading to basement ground floor Bldg # 114 Liberty STR.	0803 1803	600	6 6	6	3650.4	9 100	0.0012	
SAMPLE # 05 AB 008574 PUMP #	DURING: At the back Entrance of Bldg # 114 on the Cedar side of the STR	0804 1804	600	6 6	6	3650.4	5 100	0.0007	
SAMPLE # 06 AB 008575	FIELD BLANK						0 100	FB	
SAMPLE # 07 AB 008576	FIELD BLANK						0 100	FB	

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR 112	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.01A	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PG# 718,595-3744
LOT #	CALIB. DATE 1/16/03	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME :

CHAIN OF CUSTODY				DATE	TIME
RELINQUISHED BY: (print) F. AGBODZA	(sign) <u>[Signature]</u>			03/22/03	1900
RECEIVED BY: (print) J.B.	(sign) <u>[Signature]</u>			3/24/03	
RELINQUISHED BY: (print)	(sign)				
RECEIVED BY: (print) Leona Hedrick	(sign) <u>[Signature]</u>			3/24/03	1130
ENTERED BY: (print)	(sign)				
CORRECTED BY: (print)	(sign)				

LAB INFORMATION			
LAB NAME: JLC	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: <u>[Signature]</u>	☐ PCM - NIOSH 7400.A	☒ OLYMPUS BH2/204104	
DATE: 3/24/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

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 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/24/03
 Date Analyzed: 3/24/03
 Batch #: 0303A599

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 23-March A 8577	Dining Room/ Stairway/ North Side/ OWA	600	3639.6	12/100	<u>0.0016</u>
002 23-March A 8578	Clean Room of Decon/ OWA	600	3639.6	16/100	<u>0.0022</u>
003 23-March A 8579	Entrance to Work Area/ Liberty Street Side/ OWA	600	3639.6	8/100	<u>0.0011</u>
004 23-March A 8580	Entrance to the Basement Stairway/ OWA	600	3639.6	10/100	<u>0.0013</u>
005 23-March A 8581	Entrance to the Work Area/ Center Street Side/ OWA	600	3639.6	6/100	<u>0.0008</u>
006 23-March A 8582	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

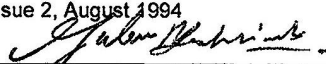
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 28, 2003

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ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/24/03
Date Analyzed: 3/24/03
Batch #: 0303A599

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
23-March					
A 8583					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

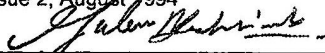
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 28, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab Job #: 203033341

Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYC DEP; 114 Liberty Street; NY, NY/DURINGS

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Area * 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	008577		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		Dining Room Stairway North Side OWA										
02	008578		3600	.12	0.0009	0.0	1.0	8.3	8.3	0.0009	0.0009	amphibole
		Clean Room of Decon OWA										
03	008579		3600	.12	0.0009	0.0	1.0	8.3	8.3	0.0009	0.0009	chrysotile
		Entrance to Work Area; Liberty Street Side OWA										
04	008580		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		Entrance to the Basement Stairway OWA										
05	008581		3600	.12	0.0009	1.0	1.0	8.3	16.7	0.0009	0.0018	chrysotile amphibole
		Entrance to Work Area Cedar Street Side OWA										

* concentration represented by the detection of 1 structure
 ** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/24/03

Roman Peysakidov

NVLAP#: 200546-0

JLC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: DEP. PROJECT NUMBER: 0303A599
 SITE: 114 Liberty Street Manhattan PROJECT MANAGER: M. N. KHAN
 TECHNICIAN: Omelie Marie SIGNATURE: APR DATE: 3/23/03
 WHITE COPY = PROJECT MANAGER
 YELLOW COPY = LABORATORY
TEM only / 24 HRS PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/min			
203033341									
SAMPLE #	FIELD #	Dinning room	730		6		3639.6	12	0.0016
LAB #	008577	3rd bay North	1730		6		3639.6	100	
PUMP #		Side O.W.A.	17	600	6	6	3639.6	100	
SAMPLE #	FIELD #	clean room of decon	732		6		3639.6	16	0.0022
LAB #	008578	O.W.A.	1732		6		3639.6	100	
PUMP #			17	600	6	6	3639.6	100	
SAMPLE #	FIELD #	Entrance to work	733		6		3639.6	8	0.0011
LAB #	008579	area Liberty Street	1733		6		3639.6	100	
PUMP #		Side O.W.A.	17	600	6	6	3639.6	100	
SAMPLE #	FIELD #	Entrance to the	735		6		3639.6	10	0.0013
LAB #	008580	Basement Stairway	1735		6		3639.6	100	
PUMP #		O.W.A.	17	600	6	6	3639.6	100	
SAMPLE #	FIELD #	Entrance to work	736		6		3639.6	6	0.0008
LAB #	008581	area Cedar Street	1736		6		3639.6	100	
PUMP #		Side O.W.A.	17	600	6	6	3639.6	100	
SAMPLE #	FIELD #	FIELD BLANK						0	FB
LAB #	008582							100	—
SAMPLE #	FIELD #	FIELD BLANK						0	FB
LAB #	008583							100	—

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HR-074</u>	☐ 10 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.011</u>	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR#() _____
LOT #	CALIB. DATE <u>3/15/03</u>	☐ 6 HRS ☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME :

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Omelie Marie</u>	<u>APR</u>	<u>3/23/03</u>	<u>1800</u>
RECEIVED BY: (print) <u>J.B.</u>	(sign) <u>Bernard</u>	<u>3/24/03</u>	
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print) <u>Leona Hedrick</u>	(sign) <u>Leona Hedrick</u>	<u>3/24/03</u>	<u>1130</u>
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME: <u>JLC</u>	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: <u>APR</u>	☒ PCM - NIOSH 7400.A	☒ OLYMPUS BH2/204104	
DATE: <u>3/24/03</u> TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

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New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/25/03
 Date Analyzed: 3/25/03
 Batch #: 0303A613

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 24-March A 8765	During/ Entrance to the Bldg./ Northern Side	600	3636	14/100	<u>0.0019</u>
002 24-March A 8766	During/ Personal Decon/ Clean Room	600	3636	11/100	<u>0.0015</u>
003 24-March A 8767	During/ Inside of Bldg./ Eastern Side	600	3636	6/100	<u>0.0008</u>
004 24-March A 8768	During/ Inside Entrance to Basement	600	3636	4/100	<u>0.0005</u>
005 24-March A 8769	During/ Inside of Bldg./ Ceader Street Entrance/ Southern Side	600	3636	4/100	<u>0.0005</u>
006 24-March A 8770	FIELD BLANK			0/100	

Sample Analysis by:
 Positive Phase Contrast Microscopy (PCM)

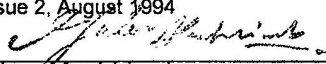
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/25/03
 Date Analyzed: 3/25/03
 Batch #: 0303A613

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 24-March A 8771	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab #: 203033487

Client Name: JLC Environmental Consultants

Table I

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

02-2744; NYC DEP; 114 Liberty St., NY, NY

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	008765		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During/Entrance To Bldg. 114 Liberty St. (Northern Side)											
02	008766		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During/Personal Decon Clean Room											
03	008767		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During/Inside Of Bldg. Eastern Side											
04	008768		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During/Inside - Entrance To Basement											
05	008769		3600	.12	0.0009	1.0	0.0	<8.3	<8.3	<0.0009	0.0009	chrysotile
	During/Inside Of Bldg. Leader Street Entrance (Southern Side)											
06**	008770		0									
	Field Blank											
07**	008771		0									
	Field Blank											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/25/03

Jonathan M. Toda

NYLAB#: 200546-0

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

NYC DEP.

0303A613

PROJECT NUMBER: 02-2744

E: 114 LIBERTY STREET N.Y N.Y

PROJECT MANAGER: M.N. KHAN.

TECHNICIAN: SHAWN RAEUNAL

SIGNATURE: *Shawn Raeunal*

DATE 03/24/03

TE COPY = PROJECT MANAGER

LOW COPY = LABORATORY

203033487

PAGE 01 OF

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (l/cc)
MPLE #	FIELD #		start/ end	min	start/ end	l/m			
01		DURING/ ENTRANCE TO	08:30		6				
B# 008765		BLD. 114 LIBERTY STREET.	18:30	600	6	6	3636	14/100	0.0019
IMP #		(NORTHERN SIDE)							0.002
02		DURING/ PERSONAL DECON	08:32		6				
B# 008766		CLEAN ROOM.	18:32	600	6	6	3636	11/100	0.0015
IMP #									
03		DURING/ INSIDE OF BLD.	08:34		6				
B# 008767		EASTERN SIDE.	18:34	600	6	6	3636	6/100	0.0008
IMP #									
04		DURING/ INSIDE - ENTRANCE	08:36		6				
B# 008768		TO BASEMENT.	18:36	600	6	6	3636	4/100	0.0005
IMP #									
05		DURING/ INSIDE OF BLD.	08:38		6				
B# 008769		LEADER STREET ENTRANCE	18:38	600	6	6	3636	4/100	0.0005
IMP #		(SOUTHERN SIDE)							
06		FIELD BLANK						0/100	FB
B# 008770								0/100	FB
IMP #								0/100	FB
07		FIELD BLANK						0/100	FB
B# 008771								0/100	FB
IMP #								0/100	FB

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
PCM (0.8 MICRON MCE)	ID# HFR-101	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME PENNY.
TEM (0.45 MICRON MCE)	C.F. 1.010	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PHI/PGR#()
LOT#	CALIB. DATE 3/7/13	☐ 6 HRS ☒ OTHER 12	☐ POST-ABATE ☐ AMBIENT	DATE 03/25/03 TIME 8:00am.

ELINQUISHED BY:(print)	(sign)	DATE	TIME
SHAWN RAEUNAL	<i>Shawn Raeunal</i>	03/24/03	7:00
RECEIVED BY:(print)	(sign)	3/25/03	
ELINQUISHED BY:(print)	(sign)	3/25/03	
RECEIVED BY:(print)	(sign)	3/25/03	12:00
RECEIVED BY:(print)	(sign)		
RECEIVED BY:(print)	(sign)		

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
NYC	☒ PCM - NIOSH 7400.A	☒ OLYMPUS BH2106104	

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/25/03
 Date Analyzed: 3/25/03
 Batch #: 0303A623

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 25-March A 8926	During/ At the Front Entrance/ Adjacent to the Decon/ Ground Floor	600	3650.4	8/100	<u>0.0011</u>
002 25-March A 8927	During/ Inside Clean Room of the Decon/ Ground Floor	600	3650.4	10/100	<u>0.0013</u>
003 25-March A 8928	During/ Adjacent to the Staircase/ Near Decon/ Ground Floor	600	3650.4	12/100	<u>0.0016</u>
004 25-March A 8929	During/ At the Back Entrance/ Leading to Basement/ Ground Floor	600	3650.4	3/100	<u>0.0004<LOD</u>
005 25-March A 8930	During/ At the Back Entrance/ Cedar Side of the Street	600	3650.4	5/100	<u>0.0007</u>
006 25-March A 8931	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

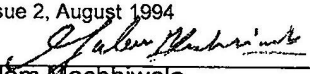
Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded


 Gulam Machhiwala
 Laboratory Director

Report Date: March 31, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/25/03
 Date Analyzed: 3/25/03
 Batch #: 0303A623

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK				0/100
25-March					
A 8932					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

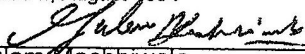
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 31, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab #: 203033592

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP; 114 Liberty Street - During

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	008926		3600	.12	0.0009	3.0	0.0	<8.3	25.0	<0.0009	0.0027	chrysotile
	During At The Front Entrance Adjacent To The Decon Ground Floor Bldg. #114 Liberty St.											
02	008927		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During Inside The Clean Room Of The Decon Ground Floor Bldg. #114 Liberty St.											
03	008928		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
	During Adjacent To The Stair Case Near Decon Ground Floor Bldg. #114 Liberty St.											
04	008929		3600	.12	0.0009	2.0	0.0	<8.3	16.7	<0.0009	0.0018	chrysotile
	During At The Back Entrance Leading To Basement Ground Floor Bldg. #114 Liberty St.											
05	008930		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	During At The Back Entrance Of Bldg. #114 On The Cedar Side Of The St.											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/26/03

Jonathan M. Teda

NVLAP#: 200546-0

LC ENVIRONMENTAL CONSULTANTS, INC.

0303A623

AIR SAMPLE LOG

ENT. NYC DEPPROJECT NUMBER: 03-2744E. 114 LIBERTY STR.PROJECT MANAGER: M. N. KHANCHINICIAN: F. AGBODZASIGNATURE [Signature]DATE 03/25/03HITE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

203033592

PAGE 1 OF 1

SAMPLE INFORMATION								
SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # <u>01</u> LAB # <u>008926</u> PUMP #	DURING: At the front entrance adjacent to the decon ground floor Bldg # 114 Liberty STR.	<u>0800</u> <u>1800</u>	<u>600</u>	<u>6</u> <u>6</u>	<u>6</u>	<u>3650.4</u>	<u>8</u> <u>100</u>	<u>0.0011</u>
SAMPLE # <u>02</u> LAB # <u>008927</u> PUMP #	DURING: Inside the clean room of the decon ground floor Bldg # 114 Liberty STR.	<u>0801</u> <u>1801</u>	<u>600</u>	<u>6</u> <u>6</u>	<u>6</u>	<u>3650.4</u>	<u>10</u> <u>100</u>	<u>0.0013</u>
SAMPLE # <u>03</u> LAB # <u>008928</u> PUMP #	DURING: Adjacent to the stair case near decon ground floor bldg # 114 Liberty STR.	<u>0802</u> <u>1802</u>	<u>600</u>	<u>6</u> <u>6</u>	<u>6</u>	<u>3650.4</u>	<u>12</u> <u>100</u>	<u>0.0016</u>
SAMPLE # <u>04</u> LAB # <u>008929</u> PUMP #	DURING: At the back entrance leading to basement ground floor Bldg # 114 Liberty STR.	<u>0803</u> <u>1803</u>	<u>600</u>	<u>6</u> <u>6</u>	<u>6</u>	<u>3650.4</u>	<u>3</u> <u>100</u>	<u>0.0004</u> <u>FLUD</u>
SAMPLE # <u>05</u> LAB # <u>008930</u> PUMP #	DURING: At the back entrance of Bldg # 114 on the Cedar side of the STR.	<u>0804</u> <u>1804</u>	<u>600</u>	<u>6</u> <u>6</u>	<u>6</u>	<u>3650.4</u>	<u>5</u> <u>100</u>	<u>0.0007</u>
SAMPLE # <u>06</u> LAB # <u>008931</u>	FIELD BLANK						<u>0</u> <u>100</u>	FB
SAMPLE # <u>07</u> LAB # <u>008932</u>	FIELD BLANK						<u>0</u> <u>100</u>	FB

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HFR-112</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME <u>PENNY</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON	PH/PGR# <u>(718) 595</u>
LOT#	CALIB. DATE <u>1/16/03</u>	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE <u>1/1</u> TIME:

CHAIN OF CUSTODY				DATE	TIME
RELINQUISHED BY: (print) <u>F. AGBODZA</u>	(sign) <u>[Signature]</u>			<u>03/25/03</u>	<u>1900</u>
RECEIVED BY: (print) <u>[Signature]</u>	(sign) <u>[Signature]</u>			<u>3/25/03</u>	
RELINQUISHED BY: (print) <u>[Signature]</u>	(sign) <u>[Signature]</u>			<u>1/1</u>	
RECEIVED BY: (print) <u>Lepora Hedrick</u>	(sign) <u>Lepora Hedrick</u>			<u>3/26/03</u>	<u>1020</u>
ENTERED BY: (print)	(sign)			<u>1/1</u>	
RECTED BY: (print)	(sign)			<u>1/1</u>	

LAB INFORMATION			
LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY: <u>[Signature]</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: <u>3/25/03</u> TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE	☐ TEM - EPA LEVEL II		

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 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/26/03
 Date Analyzed: 3/27/03
 Batch #: 0303A649

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 26-March A 9118	During/ Clean Room of Decon/ OWA	600	3639.6	24/100	<u>0.0032</u>
002 26-March A 9119	During/ Entrance by Door/ OWA	600	3639.6	25/100	<u>0.0034</u>
003 26-March A 9120	During/ Next to Waste Decon/ OWA	600	3639.6	21/100	<u>0.0028</u>
004 26-March A 9121	During/ Inside Basement/ OWA	600	3639.6	12/100	<u>0.0016</u>
005 26-March A 9122	During/ Inside Door Cedar St.	600	3639.6	18/100	<u>0.0024</u>
006 26-March A 9123	FIELD BLANK			0/100	

Sample Analysis by:
 Positive Phase Contrast Microscopy (PCM)

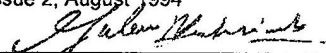
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 31, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/26/03
 Date Analyzed: 3/27/03
 Batch #: 0303A649

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(ff/cc)
007 26-March A 9124	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

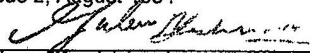
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 31, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab #: 203033708

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP; 114 Liberty Street; NY, NY

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Area * Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)	Structure Density (struc/sq. mm.)	Structure Concentration (struc/cc air)	Type of Asbestos
01	009118		3600	.12	0.0009	0.0	16.7	0.0018	chrysotile
	During/Clean Room Decon OWA								
02	009119		3600	.12	0.0009	1.0	<8.3	<0.0009	chrysotile
	During/Entrance by Door Liberty St. OWA								
03**	009120		3600						
	During/Next to Waste Decon OWA "Sample Overloaded w/Particulate-Unable To Analyze"								
04	009121		3600	.12	0.0009	1.0	<8.3	<0.0009	chrysotile
	During/Inside Basement OWA								
05	009122		3600	.12	0.0009	1.0	<8.3	<0.0009	chrysotile
	During/Inside by Door Cedar St. OWA								

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/27/03

NVLAP#: 200546-0

Jonathan M. Teda

JLC ENVIRONMENTAL CONSULTANTS, INC.

0303A-649 -

AIR SAMPLE LOGCLIENT: NYC DEPPROJECT NUMBER: 03-2744

114 Liberty Street, New York NY

PROJECT MANAGER: M. N. KHANTECHNICIAN: M. KelmanskySIGNATURE: M. KelmanskyDATE: 03/26/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203033708

PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/FIELD	RESULTS (f/cc)	
		start/end	min	start/end	l/m				
SAMPLE # <u>1</u> FIELD #	During Clean Room decon O.W.A.	07.00 17.00	600	6 6	6	3639.6	24 100	0.0032	
LAB # <u>009118</u>									
PUMP #									
SAMPLE # <u>2</u> FIELD #	During Entrance by door Liberty St. O.W.A.	07.01 17.01	600	6 6	6	3639.6	25 100	0.0034	
LAB # <u>009119</u>									
PUMP #									
SAMPLE # <u>3</u> FIELD #	During Next to waste decon O.W.A.	07.02 17.02	600	6 6	6	3639.6	21 100	0.0028	
LAB # <u>009120</u>									
PUMP #									
SAMPLE # <u>4</u> FIELD #	During inside basement O.W.A.	07.03 17.03	600	6 6	6	3639.6	12 100	0.0016	
LAB # <u>009121</u>									
PUMP #									
SAMPLE # <u>5</u> FIELD #	During Inside door Cedar St. O.W.A.	07.04 17.04	600	6 6	6	3639.6	18 100	0.0024	
LAB # <u>009122</u>									
PUMP #									
SAMPLE # <u>6</u> FIELD #	FIELD BLANK							FB	
LAB # <u>000123</u>									
SAMPLE # <u>7</u> FIELD #	FIELD BLANK							FB	
LAB # <u>009124</u>									

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HR-81</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.011</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PGR#() _____
LOT # _____	CALIB. DATE <u>02/10/03</u>	☐ 6 HRS ☐ OTHER _____	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME :

CHAIN OF CUSTODY			
RELINQUISHED BY:(print)	(sign)	DATE	TIME
<u>M. Kelmansky</u>	<u>M. Kelmansky</u>	<u>03/26/03</u>	<u>17.30</u>
RECEIVED BY:(print) <u>TM</u>	(sign) <u>TM</u>	<u>3/26/03</u>	
RELINQUISHED BY:(print) <u>TM</u>	(sign) <u>TM</u>	<u>3/27/03</u>	
RECEIVED BY:(print) <u>Leona Hedrick</u>	(sign) <u>Leona Hedrick</u>	<u>3/27/03</u>	<u>1030</u>
ENTERED BY:(print) _____	(sign) _____	<u>1/1</u>	
CORRECTED BY:(print) _____	(sign) _____	<u>1/1</u>	

LAB INFORMATION		
LAB NAME: <u>JLC</u>	METHODOLOGY	MICROSCOPE/SERIAL #
ANALYZED BY: <u>TM</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104
DATE: <u>3/27/03</u> TIME: _____	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021
QC BY: _____ DATE: _____	☐ TEM EPA 1631.1	COMMENTS:

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/27/03
 Date Analyzed: 3/27/03
 Batch #: 0303A671

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 27-March A 9322	1st Floor/ By Dinner Stairwell/ On Liberty Street Side/ North Side/ OWA	600	3650.4	8/100	<u>0.0011</u>
002 27-March A 9323	1st Floor/ Liberty Street Side Dinner Room/ Inside Clean Room Decon/ OWA	600	3650.4	10/100	<u>0.0013</u>
003 27-March A 9324	1st Floor/ By Entrance Door/ On Liberty Street/ West Side OWA	600	3650.4	7/100	<u>0.0009</u>
004 27-March A 9325	1st Floor/ Cedar Street/ Clean Room Decon/ South Side/ OWA	600	3650.4	4/100	<u>0.0005</u>
005 27-March A 9326	1st Floor/ Dinner Room/ Adjacent to Clean Room by Liberty Street/ West Side/ OWA	600	3650.4	7/100	<u>0.0007</u>
006 27-March A 9327	FIELD BLANK			0/100	

Sample Analysis by:
 Positive Phase Contrast Microscopy (PCM)

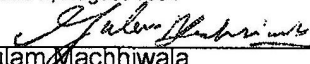
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: March 31, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/27/03
Date Analyzed: 3/27/03
Batch #: 0303A671

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 27-March A 9328	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: March 31, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

Lab Job #: 203033804

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP; 114 Liberty Street

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	009322		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		1st Floor by Dinner Stairwell on Liberty Street Side North Side OWA										
02	009323		3600	.12	0.0009	0.0	1.0	8.3	8.3	0.0009	0.0009	chrysotile
		1st Floor Liberty Street Side Dinner Room Inside Clean Room Decon OWA										
03	009324		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		1st Floor By Entrance Dopor on Liberty Street West Side OWA										
04	009325		3600	.12	0.0009	4.0	1.0	8.3	41.7	0.0009	0.0045	chrysotile
		1st Floor Cedar's Street Clean Room Decon South Side OWA										
05	009326		3600	.12	0.0009	1.0	0.0	<8.3	8.3	<0.0009	0.0009	chrysotile
		1st Floor Dinner Room Adjacent To Clean Room by Liberty Street West Side OWA										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/28/03

Mark Peysakhov

NVLAP#: 200546-0

ENVIRONMENTAL CONSULTANTS, INC.

0303A 671

AIR SAMPLE LOG

CLIENT: NY DEP

PROJECT NUMBER: 02-2744-

SITE: 114 Liberty street NY, NY

PROJECT MANAGER: Mohammed

CONTACT: E. Adewale

SIGNATURE: E. Adewale

DATE 3/27/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

TEM only / 24 HRS 203033804 PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
1	9322	1st floor by dinner stairwell on Liberty street side North side OWA	0800	1800	600	600	3650.4	8/100	0.0011
2	9323	1st floor Liberty street side dinner room inside clean room decon OWA	0800	1800	600	600	3650.4	10/100	0.0013
3	9324	1st floor by entrance door on Liberty street West side OWA	0800	1800	600	600	3650.4	7/100	0.0009
4	9325	1st floor Cedar street clean room decon South side OWA	0800	1800	600	600	3650.4	4/100	0.0005
5	9326	1st floor dinner room adjacent to clean room by liberty street West side OWA	0800	1800	600	600	3650.4	5/100	0.0007
6	9327	FIELD BLANK							FB
7	9328	FIELD BLANK							FB

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE
☐ PCM (0.6 MICRON MCE)	ID# HFR-112	☐ 2 HRS	☐ 24 HRS	☐ PRE-ABATE ☐ OSHA
☒ TEM (0.45 MICRON MCE)	C.F. 1014	☐ 4 HRS	☐ 48 HRS	☐ DURING ☐ ENVIRON
LOT #	CALIB. DATE 6/03	☒ 6 HRS	☐ OTHER	☐ POST-ABATE ☐ AMBIENT
RESULTS TO				
NAME				PHI/PGR#
DATE / /				TIME

CHAIN OF CUSTODY				DATE	TIME
RELINQUISHED BY: (print) E. Adewale	(sign) E. Adewale			3/27/03	1830
RECEIVED BY: (print) [Signature]	(sign) [Signature]				
RELINQUISHED BY: (print) [Signature]	(sign) [Signature]				
RECEIVED BY: (print) A. Ramo	(sign) (an)			3/28/03	1020
ENTERED BY: (print)	(sign)				
CORRECTED BY: (print)	(sign)				

LAB INFORMATION			
ANALYZED BY: [Signature]	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
2/27/03 TIME	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE	☐ TEM - AHERA	☐ OLYMPUS Q1S/7C0021	
	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
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New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/28/03
 Date Analyzed: 3/28/03
 Batch #: 0303A680

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 28-March A 9434	During/ OWA/ Liberty Street Sidewalk/ At the Entrance	600	3650.4	8/100	<u>0.0011</u>
002 28-March A 9435	During/ OWA/ Inside Restaurant Towards Entrance	600	3650.4	10/100	<u>0.0013</u>
003 28-March A 9436	During/ OWA/ Clean Room of Personal Decon	600	3650.4	8/100	<u>0.0011</u>
004 28-March A 9437	During/ OWA/ Inside Restaurant/ Near Stairwell	600	3650.4	5/100	<u>0.0007</u>
005 28-March A 9438	During/ OWA/ Clean Room of Personal Decon for Basement	600	3650.4	10/100	<u>0.0013</u>
006 28-March A 9439	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

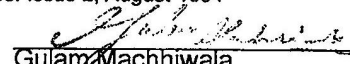
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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 Phone: (212) 420-8119 Fax: (212) 420-6092

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/28/03
 Date Analyzed: 3/28/03
 Batch #: 0303A680

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 28-March A 9440	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

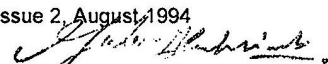
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYCDEP; 114 Liberty St., Manhattan

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Area * 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	Total	>5.0	Total	
01	009434		3600	.12	0.0009	1.0	0.0	1.0	<8.3	8.3	chrysotile
	During, 114 Liberty St., OWA, Liberty St. Sidewalk At 114 Entrance										
02	009435		3600	.12	0.0009	0.0	1.0	1.0	8.3	8.3	chrysotile
	During, 114 Liberty St., OWA, Inside Restaurant Towards Entrance										
03	009436		3600	.12	0.0009	3.0	0.0	3.0	<8.3	25.0	chrysotile
	During, 114 Liberty St., OWA, Clean Room Of Personnel Decon										
04	009437		3600	.12	0.0009	2.0	1.0	3.0	8.3	25.0	chrysotile
	During, 114 Liberty St., OWA, Inside Restaurant Near Stairwell										
05	009438		3600	.12	0.0009	1.0	0.0	1.0	<8.3	8.3	chrysotile
	During, 114 Liberty St., OWA, Clean Room Of Personnel Decon For Basement										
06**	009439		0								
	Field Blank, Not Submitted										
07**	009440		0								
	Field Blank, Not Submitted										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____; Analyzed By: _____ Date: 3/31/03

Mark Peysakhov

NVLAP#: 200546-0

AIR SAMPLE LOG

PROJECT MANAGER: M. N. KHAN

DATE 03/27/03

PAGE 21 OF 21

TECHNICIAN'S LOG

CHAIN OF CUSTODY

LAB INFORMATION

NYC-WTC 000132023

JLC ENVIRONMENTAL CONSULTANTS, INC.
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 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/30/03
 Date Analyzed: 3/30/03
 Batch #: 0303A681

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 29-March A 9441	During/ Adjacent to the Front Entrance	600	3650.4	7/100	<u>0.0009</u>
002 29-March A 9442	During/ West of Decon/ Ground Floor	600	3650.4	9/100	<u>0.0012</u>
003 29-March A 9443	During/ Inside the Clean Room of the Decon	600	3650.4	7/100	<u>0.0009</u>
004 29-March A 9444	During/ At the Back Entrance Leading to the Main Back Exit	600	3650.4	5/100	<u>0.0007</u>
005 29-March A 9445	During/ East of the Decon/ Adjacent to the Staircase/ Ground Floor	600	3650.4	6/100	<u>0.0008</u>
006 29-March A 9446	FIELD BLANK			0/100	

Sample Analysis by:
 Positive Phase Contrast Microscopy (PCM)

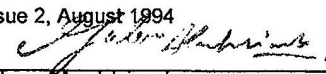
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 1, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/30/03
Date Analyzed: 3/30/03
Batch #: 0303A681

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 29-March A 9447	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

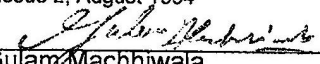
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
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Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: April 1, 2003

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SciLab # 203034110

Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 03-2744; NYCDEP; 114 Liberty St.

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)	Density (struc/sq. mm.)	Structure Concentration (struc/cc air)	Type of Asbestos
01	009441		3600	.12	0.0009	0.0	<8.3	<0.0009	NSD
		During, Adjacent To The Front Entrance Bldg-114 Liberty St.							
02	009442		3600	.12	0.0009	1.0	<8.3	<0.0009	chrysotile
		During, West Of The Decon Ground Floor Bldg-114 Liberty St.							
03	009443		3600	.12	0.0009	0.0	8.3	0.0009	chrysotile
		During, Inside The Clean Room At The Decon Bldg-114 Liberty St.							
04	009444		3600	.12	0.0009	0.0	8.3	0.0009	chrysotile
		During, At The Back Entrance Leading To The Main Back Exit							
05	009445		3600	.12	0.0009	1.0	<8.3	<0.0009	chrysotile
		During, East Of The Decon Adjacent To The Stair Case Ground Floor							
06**	009446		0						
		Field Blank, Not Submitted							
07**	009447		0						
		Field Blank, Not Submitted							

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Mark Peysakhov

Date: 3/31/03

NVLAP#: 200546-0

LC ENVIRONMENTAL CONSULTANTS, INC.

03034-681

AIR SAMPLE LOG

CLIENT: NYC DEP

PROJECT NUMBER: 03-2744-

114 LIBERTY STR

PROJECT MANAGER: M.N. KHAN

TECHNICIAN: F. AGRODZA

SIGNATURE: F. Agrodza

DATE: 03, 29, 03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

TEM only / 24 hrs

PAGE 1 OF 1

SAMPLE INFORMATION										
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)	
			start/ and	min	start/ end	l/min				
SAMPLE #	FIELD #									
01		DURING:- Adjacent to the	0800	600	6	6	3650.4	7	0.0009	
LAB #	009441	front entrance Bldg # 114	1800		6			100		
PUMP #		Liberty Str.								
SAMPLE #	FIELD #	DURING:- West of the decon	0802	600	6	6	3650.4	9	0.0012	
LAB #	009442	ground floor bldg # 114 Lib	1802		6			100		
PUMP #		erty Str.								
SAMPLE #	FIELD #	DURING:- Inside the clean	0804	600	6	6	3650.4	7	0.0009	
LAB #	009443	ap. the room at the decon	1804		6			100		
PUMP #		Bldg # 114 Liberty Str.								
SAMPLE #	FIELD #	DURING:- At the back	0806	600	6	6	3650.4	5	0.0007	
LAB #	009444	entrance leading to the	1806		6			100		
PUMP #		Main back exit								
SAMPLE #	FIELD #	DURING:- East of the decon	0808	600	6	6	3650.4	6	0.0008	
LAB #	009445	adjacent to the stair case	1808		6			100		
PUMP #		ground floor.								
SAMPLE #	FIELD #	FIELD BLANK						0	FB	
LAB #	009446							100	—	
SAMPLE #	FIELD #	FIELD BLANK						0	FB	
LAB #	009447							100	—	

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HFR 112</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME <u>PENNY</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PGR# ()
LOT #	CALIB. DATE <u>1/16/3</u>	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME :

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) <u>F. AGRODZA</u>	(sign) <u>F. Agrodza</u>	<u>03, 29, 03</u>	
RECEIVED BY: (print) <u>Madell Collins</u>	(sign) <u>Madell Collins</u>	<u>3 50, 03</u>	
RELINQUISHED BY: (print)	(sign)	<u>1 1</u>	
RECEIVED BY: (print) <u>L. Clarke</u>	(sign) <u>L. Clarke</u>	<u>3 13, 03</u>	
ENTERED BY: (print)	(sign)	<u>1 1</u>	
CORRECTED BY: (print)	(sign)	<u>1 1</u>	

LAB INFORMATION		COMMENTS:
LAB NAME: <u>LC</u>	METHODOLOGY	
ANALYZED BY: <u>MC</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104
DATE: <u>3/1/03</u> TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021
QC BY: DATE:	☐ TEM - EPA LEVEL II	

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 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/30/2003
 Date Analyzed: 3/30/2003
 Batch #: 0303A682

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(#cc)
001 29-March A 9448	Final/ Kitchen/ Adjacent to the Microtrap/ IWA/ 12th Floor	360	3650.4	3/100	<u><0.001<LOD</u>
002 29-March A 9449	Final/ At the Center of the Restroom/ IWA/ 12th Floor	360	3650.4	3/100	<u><0.001<LOD</u>
003 29-March A 9450	Final/ At the Northern Side of Sitting Room/ IWA/ 12th Floor	360	3650.4	5/100	<u>0.001</u>
004 29-March A 9451	Final/ At the Southern Side of Sitting Room/ IWA/ 12th Floor	360	3650.4	3/100	<u><0.001<LOD</u>
005 29-March A 9452	Final/ At the Center of the Closet/ Adjacent to Sitting Room/ IWA/ 12th Floor	360	3650.4	2/100	<u><0.001<LOD</u>
006 29-March A 9453	Final/ Room I/ Entrance/ Opposite the Elevator/ IWA/ 11th Floor	360	3650.4	3/100	<u><0.001<LOD</u>

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).

Gulam Machhiwala
Gulam Machhiwala
 Laboratory Director

Report Date: April 15, 2003

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007 29-March A 9454	Final/ Room II/ Adjacent to the Staircase/ IWA/ 11th Floor	360	3650.4	2/100	<u><0.001<LOD</u>
008 29-March A 9455	Final/ Room III/ Entrance Opposite to the Staircase/ IWA/ 11th Floor	360	3650.4	2/100	<u><0.001<LOD</u>
009 29-March A 9456	Final/ Room IV/ Entrance Adjacent to the Hallway/ IWA/ 11th Floor	360	3650.4	4/100	<u>0.001</u>
010 29-March A 9457	Final/ Room V/ Southern End of the Hallway/ IWA/ 11th Floor	360	3650.4	2/100	<u><0.001<LOD</u>
011 29-March A 9458	Final/ Livingroom/ Center of the Room/ 10th Floor	360	3650.4	8/100	<u>0.001</u>
012 29-March A 9459	Final/ NW Bedroom/ 10th Floor	360	3650.4	9/100	<u>0.001</u>

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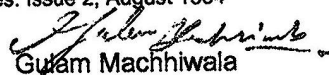
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SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
013 29-March A 9460	Final/ NE Side of Dining Room/ 10th Floor	360	3650.4	6/100	<u>0.001</u>
014 29-March A 9461	Final/ Center of Kitchen/ 10th Floor	360	3650.4	9/100	<u>0.001</u>
015 29-March A 9462	Final/ Center of SW Bedroom/ 10th Floor	360	3650.4	5/100	<u>0.001</u>
016 29-March A 9463	Final/ Center of Livingroom/ 9th Floor	360	3650.4	6/100	<u>0.001</u>
017 29-March A 9464	Final/ South of Dining Room/ 9th Floor	360	3650.4	7/100	<u>0.001</u>
018 29-March A 9465	Final/ West End of Kitchen/ 9th Floor	360	3650.4	9/100	<u>0.001</u>

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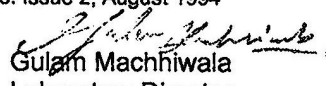
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SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
019 29-March A 9466	Final/ SE Bedroom/ Center of Room/ 9th Floor	360	3650.4	4/100	<u>0.001</u>
020 29-March A 9467	Final/ SW Bedroom/ Center of Room/ 9th Floor	360	3650.4	5/100	<u>0.001</u>
021 29-March A 9468	IWA/ Livingroom/ North Side/ 8th Floor	360	3650.4	5/100	<u>0.001</u>
022 29-March A 9469	IWA/ Diningroom/ East Side/ IWA	360	3650.4	6/100	<u>0.001</u>
023 29-March A 9470	IWA/ Kitchen/ West Side/ 8th Floor	360	3650.4	6/100	<u>0.001</u>
024 29-March A 9471	IWA/ 5E Bedroom/ Southeast/ 8th Floor	360	3650.4	8/100	<u>0.001</u>

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Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
025 29-March A 9472	IWA/ 8th Floor/ Bedroom/ Southwest	360	3650.4	4/100	<u>0.001</u>
026 29-March A 9473	7th Floor/ IWA/ By Livingroom/ North Side	360	3650.4	5/100	<u>0.001</u>
027 29-March A 9474	7th Floor/ IWA/ By Dining Room/ East Side	360	3650.4	5/100	<u>0.001</u>
028 29-March A 9475	7th Floor/ IWA/ By Kitchen/ West Side	360	3650.4	3/100	<u><0.001<LOD</u>
029 29-March A 9476	7th Floor/ IWA/ By Bedroom/ Southeast	360	3650.4	7/100	<u>0.001</u>
030 29-March A 9477	7th Floor/ IWA/ By Bedroom/ Southwest	360	3650.4	3/100	<u><0.001<LOD</u>

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Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
031 29-March A 9478	Final/ 6th Floor/ South Side of Livingroom	360	3650.4	5/100	<u>0.001</u>
032 29-March A 9479	Final/ 6th Floor/ North Side of Dining Room	360	3650.4	5/100	<u>0.001</u>
033 29-March A 9480	Final/ 6th Floor/ Center of Kitchen	360	3650.4	3/100	<u><0.001<LOD</u>
034 29-March A 9481	Final/ 6th Floor/ East Bedroom/ South of Kitchen	360	3650.4	5/100	<u>0.001</u>
035 29-March A 9482	Final/ 6th Floor/ SW Bedroom	360	3650.4	6/100	<u>0.001</u>
036 29-March A 9483	Final/ 5th Floor/ Center of Livingroom	360	3650.4	2/100	<u><0.001<LOD</u>

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

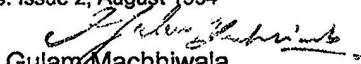
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SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(ff/cc)
037 29-March A 9484	Final/ 5th Floor/ East Side of Dining Room	360	3650.4	8/100	<u>0.001</u>
038 29-March A 9485	Final/ 5th Floor/ Center of Kitchen	360	3650.4	7/100	<u>0.001</u>
039 29-March A 9486	Final/ 5th Floor/ SE Bedroom	360	3650.4	4/100	<u>0.001</u>
040 29-March A 9487	Final/ 5th Floor/ SW Bedroom	360	3650.4	4/100	<u>0.001</u>
041 29-March A 9488	Final/ 4th Floor/ Center of Livingroom	360	3650.4	4/100	<u>0.001</u>
042 29-March A 9489	Final/ 4th Floor/ Center of Diningroom	360	3650.4	7/100	<u>0.001</u>

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Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
043 29-March A 9490	Final/ 4th Floor/ Center of Kitchen	360	3650.4	6/100	<u>0.001</u>
044 29-March A 9491	Final/ 4th Floor/ SE Bedroom	360	3650.4	5/100	<u>0.001</u>
045 29-March A 9492	Final/ 4th Floor/ SW Bedroom	360	3650.4	6/100	<u>0.001</u>
046 29-March A 9493	3rd Floor/ IWA/ Bedroom# 1/ North Side	360	3650.4	4/100	<u>0.001</u>
047 29-March A 9494	3rd Floor/ IWA/ Bedroom# 2/ East Side	360	3650.4	6/100	<u>0.001</u>
048 29-March A 9495	3rd Floor/ IWA/ By Livingroom/ East Side	360	3650.4	3/100	<u><0.001<LOD</u>

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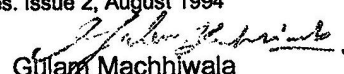
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 15, 2003

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JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/30/2003
 Date Analyzed: 3/30/2003
 Batch #: 0303A682

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
049 29-March A 9496	3rd Floor/ IWA/ By Livingroom/ South East	360	3650.4	4/100	<u>0.001</u>
050 29-March A 9497	3rd Floor/ IWA/ Bedroom# 3/ Southwest	360	3650.4	4/100	<u>0.001</u>
051 29-March A 9498	3rd Floor/ IWA/ Reception Office/ East Side	360	3650.4	2/100	<u><0.001<LOD</u>
052 29-March A 9499	3rd Floor/ IWA/ North Side Office/ By Liberty Street	360	3650.4	4/100	<u>0.001</u>
053 29-March A 9500	3rd Floor/ IWA/ Examination Room/ South Side	360	3650.4	5/100	<u>0.001</u>
054 29-March A 9501	3rd Floor/ IWA/ Mini Office Adjacent to Bathroom/ North Side	360	3650.4	5/100	<u>0.001</u>

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

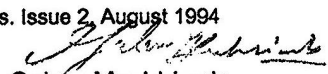
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

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Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 15, 2003

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SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(#cc)
055 29-March A 9502	3rd Floor/ IWA/ Administrative Office/ West Side	360	3650.4	4/100	<u>0.001</u>
056 29-March A 9503	3rd Floor/ IWA/ By Restaurant/ North Side	360	3650.4	5/100	<u>0.001</u>
057 29-March A 9504	2nd Floor/ IWA/ By Restaurant/ West Side	360	3650.4	5/100	<u>0.001</u>
058 29-March A 9505	2nd Floor/ IWA/ By Restaurant/ East Side	360	3650.4	3/100	<u><0.001<LOD</u>
059 29-March A 9506	2nd Floor/ IWA/ By Restaurant/ South Side	360	3650.4	2/100	<u><0.001<LOD</u>
060 29-March A 9507	2nd Floor/ IWA/ By Restaurant/ Cashier's Desk	360	3650.4	6/100	<u>0.001</u>

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

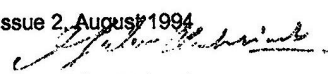
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 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

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 Gulam Machhiwala
 Laboratory Director

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SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
061 29-March A 9508	2nd Floor/ IWA/ Weight Watchers Office/ Opposite Elevator/ East Side	360	3650.4	4/100	<u>0.001</u>
062 29-March A 9509	2nd Floor/ IWA/ Weight Watchers Mini Office/ By Liberty Street/ North Side	360	3650.4	4/100	<u>0.001</u>
063 29-March A 9510	2nd Floor/ IWA/ Weight Watchers Rear End Office/ North Side	360	3650.4	5/100	<u>0.001</u>
064 29-March A 9511	2nd Floor/ IWA/ Weight Watchers Rear End Office/ South Side	360	3650.4	7/100	<u>0.001</u>
065 29-March A 9512	2nd Floor/ IWA/ Weight Watchers Rear End Office/ West Side	360	3650.4	5/100	<u>0.001</u>

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

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Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 15, 2003

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SciLab Job #: 203034112

Client Name: JLC Environmental Consultants

Page 2 of 2

Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYCDEP; 114 Liberty St (Post-Abate)

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	66 Final / 11th Floor Elevator Shaft	03/30/2003	10	360	3600	100	4	5.10	< 0.001	
02	67 Final / 9th Floor Elevator Shaft	03/30/2003	10	360	3600	100	3	3.82	< 0.001	
03	68 Final / 7th Floor Elevator Shaft	03/30/2003	10	360	3600	100	4	5.10	< 0.001	
04	69 Final / 6th Floor Elevator Shaft	03/30/2003	10	360	3600	100	3.5	4.46	< 0.001	
05	70 Final / 4th Floor Elevator Shaft	03/30/2003	10	360	3600	100	4	5.10	< 0.001	
06	71 Final / First Floor Lobby Near Elevator + Basement Door	03/30/2003	10	360	3600	100	6	7.64	0.001	
07	72 Final / First Floor Lobby Near Entrance From Liberty St. + Elevator	03/30/2003	10	360	3600	100	3	3.82	< 0.001	
08	73 Field Blank	03/30/2003	0	0	0	100	0.5	0.64	Footnotes: /	
09	74 Field Blank	03/30/2003	0	0	0	100	0.5	0.64	Footnotes: /	
10	75 Field Blank	03/30/2003	0	0	0	100	0.5	0.64	Footnotes: /	
11	76 Field Blank	03/30/2003	0	0	0	100	0.5	0.64	Footnotes: /	
12	77 Field Blank	03/30/2003	0	0	0	100	0.5	0.64	Footnotes: /	
13	78 Field Blank	03/30/2003	0	0	0	100	0.5	0.64	Footnotes: /	

See Reporting notes on last page

Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYCDEP; 114 Liberty St (Post-Abate)

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
14	79 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		
15	80 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Tatyana Grinchak

Samples analyzed by NIOSH 7400(A) Method: Page #2, 8/15/98: Limit of Detection= 5.5 fibers per 100 fields or 7 fibers/mm²: Blank analyses are reported when available, however are not used to adjust results of associated samples in this report. This report relates ONLY to the sample analysis exposed as fibers/cc area of filter area: ND=No fibers observed: NA= Not Analyzed; Walton-Beechert particle field area = 0.00783 mm²: TWA = 8 Hr TWA calculation assumes zero exposure for remainder of 8 hr period not sampled: Upper 95% Confidence Limit (Employers Compliance Test): Calculated as a one sided UCL to determine 95% certainty of compliance with the 0.01 fiber/cc standard: Estimated relative standard deviation: Intralab St=0.405, Interlab St=0.45, New York samples (NYSDOH ELAP Lab # 11480): National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AITA # 102843.

Date Analyzed: 03/31/2003

Footnotes: /

Footnotes: /

SciLab #: 203034111

Client Name: JLC Environmental Consultants

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 03-2744; NYCDEP; 114 Liberty St.; NY, NY/POST-ABATE

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
01	009448		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: Room I (Kitchen) Adj. to Microtrap Inside W/Area 12th Floor								
02	009449		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: At the Center of the Restroom Inside the W/Area 12th Floor								
03	009450		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: At the Northern Side of Room II (Sitting Room) Inside the W/Area 12th Floor								
04	009451		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: At the Southern Side of Room II (Sitting Room) Inside W/Area 12th Floor								
05	009452		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: At the Center of the Closest Adj. to Room II Inside the W/Area 12th Floor								
06	009453		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: Room I Entrance Opposite the Elevator Inside the W/Area of 11th Floor								
07	009454		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: Room II Adj. to the Staircase Inside W/Area of 11th Floor								
08	009455		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: Room III Entrance Opposite to the Staircase Inside W/Area of 11th Floor								
09	009456		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: Room IV Entrance Adj. to the Hallway Inside W/Area of 11th Floor								
10	009457		3600	.24	0.0004	0.0	<4.2	<0.0004	NSD
	FINAL: Room V Southern End of the Hallway Inside the W/Area of 11th Floor								
11**	009458		3600						
	FINAL: 10th Floor, Living Room, Center of Room "Sample Overloaded w/Particulate-Unable To Analyze"								
12**	009459		3600						
	FINAL: 10th Floor, NW Bedroom "Sample Overloaded w/Particulate-Unable To Analyze"								
13**	009560		3600						
	FINAL: 10th Floor, NE Side of Dining Room "Sample Overloaded w/Particulate-Unable To Analyze"								
14**	009461		3600						
	FINAL: 10th Floor, Center of Kitchen "Sample Overloaded w/Particulate-Unable To Analyze"								

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

Analyzed By: _____

Paul J. Mucha/NP/GM/RP/AB

Date: 3/31/03

NVLAP#: 200546-0

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYCDEP; 114 Liberty St.; NY, NY/POST-ABATE

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)	Density (struc/sq. mm.)	Structure Concentration (struc/cc air)	Type of Asbestos
15**	009462	3600							
	FINAL: 10th Floor, Center SW Bedroom								
16	009463	3600	24	0.0004	13.0	4.0	17.0	0.0018	chrysotile
17	009464	3600	24	0.0004	34.0	4.0	38.0	0.0018	chrysotile
18	009465	3600	24	0.0004	28.0	3.0	31.0	0.0013	chrysotile
19	009466	3600	24	0.0004	15.0	3.0	18.0	0.0013	chrysotile
20	009467	3600	24	0.0004	15.0	1.0	16.0	0.0004	chrysotile
21	009468	3600	13	0.0008	47.0	3.0	50.0	0.0025	chrysotile amphibole
22	009469	3600	24	0.0004	37.0	4.0	41.0	0.0018	chrysotile amphibole
23**	009470	3600							
	FINAL: 8th Floor IWA by Kitchen, West Side "Sample Overloaded w/Particulate-Unable To Analyze"								
24	009471	3600	24	0.0004	32.0	2.0	34.0	0.0009	chrysotile
25	009472	3600	24	0.0004	23.0	3.0	26.0	0.0013	chrysotile amphibole
26	009473	3600	24	0.0004	33.0	6.0	39.0	0.0027	chrysotile amphibole
27	009474	3600	24	0.0004	11.0	2.0	13.0	0.0009	chrysotile
28**	009475	3600							
	FINAL: 7th Floor IWA by Kitchen, West Side "Sample Overloaded w/Particulate-Unable To Analyze"								

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/31/03

Paul J. Mucha/MP/GM/RP/AB

NYLAP#: 200546-0

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 03-2744; NYCDEP; 114 Liberty St.; NY, NY/POST-ABATE

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	Total	>5.0	Total	>5.0	Total	
29	009476		3600	24	0.0004	20.0	3.0	23.0	12.5	95.8	0.0013	0.0102	chrysotile amphibole
	FINAL: 7th Floor IWA by Bedroom, Southeast												
30**	009477		3600										
	FINAL: 7th Floor IWA By Bedroom, Southwest "Sample Overloaded w/Particulate-Unable To Analyze"												
31	009478		3600	24	0.0004	5.0	2.0	7.0	8.3	29.2	0.0009	0.0031	chrysotile
	FINAL: 6th Floor, South Side of Living Room												
32	009479		3600	24	0.0004	3.0	1.0	4.0	4.2	16.7	0.0004	0.0018	chrysotile
	FINAL: 6th Floor, North Side of Dining Room												
33	009480		3600	24	0.0004	3.0	1.0	4.0	4.2	16.7	0.0004	0.0018	chrysotile amphibole
	FINAL: 6th Floor, Center of Kitchen												
34	009481		3600	24	0.0004	3.0	1.0	4.0	4.2	16.7	0.0004	0.0018	chrysotile
	FINAL: 6th Floor, East Bedroom Just South of Kitchen												
35	009482		3600	24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
	FINAL: 6th Floor, SW Bedroom												
36	009483		3600	24	0.0004	13.0	0.0	13.0	<4.2	54.2	<0.0004	0.0058	chrysotile
	FINAL: 5th Floor, Center of Living Room												
37	009484		3600	24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
	FINAL: 5th Floor, East Side of Dining Room												
38	009485		3600	24	0.0004	1.0	0.0	1.0	<4.2	4.2	<0.0004	0.0004	chrysotile
	FINAL: 5th Floor, Center of Kitchen												
39	009486		3600	24	0.0004	0.0	2.0	2.0	8.3	8.3	0.0009	0.0009	amphibole
	FINAL: 5th Floor, SE Bedroom												
40	009487		3600	24	0.0004	12.0	4.0	16.0	16.7	66.7	0.0018	0.0071	chrysotile
	FINAL: 5th Floor, SW Bedroom												
41	009488		3600	24	0.0004	3.0	0.0	3.0	<4.2	12.5	<0.0004	0.0013	chrysotile
	FINAL: 4th Floor, Center of Living Room												
42	009489		3600	24	0.0004	4.0	0.0	4.0	<4.2	16.7	<0.0004	0.0018	chrysotile
	FINAL: 4th Floor, Center of Dining Room												

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/31/03

Paul J. Mucha/NH/GM/RP/AB

NVLAP#: 200546-0

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						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
43	009490		3600	24	0.0004	1.0	2.0	3.0	8.3	12.5	0.0009	0.0013	chrysotile
	FINAL: 4th Floor, Center of Kitchen												
44	009491		3600	24	0.0004	5.0	1.0	6.0	4.2	25.0	0.0004	0.0027	chrysotile
	FINAL: 4th Floor, SE Bedroom												
45	009492		3600	24	0.0004	3.0	2.0	5.0	8.3	20.8	0.0009	0.0022	chrysotile
	FINAL: 4th Floor, SW Bedroom												
46	009493		3600	24	0.0004	5.0	0.0	5.0	<4.2	20.8	<0.0004	0.0022	chrysotile
	FINAL: 3rd Floor IWA Bedroom #1, North Side												
47	009494		3600	24	0.0004	4.0	0.0	4.0	<4.2	16.7	<0.0004	0.0018	chrysotile amphibole
	FINAL: 3rd Floor IWA Bedroom #2, East Side												
48	009495		3600	24	0.0004	2.0	0.0	2.0	<4.2	8.3	<0.0004	0.0009	chrysotile
	FINAL: 3rd Floor IWA by Living Room, East Side												
49	009496		3600	24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
	FINAL: 3rd Floor IWA by Living Room, Southeast												
50	009497		3600	24	0.0004	4.0	0.0	4.0	<4.2	16.7	<0.0004	0.0018	chrysotile
	FINAL: 3rd Floor IWA Bedroom #3, Southwest												
51	009498		3600	24	0.0004	1.0	0.0	1.0	<4.2	4.2	<0.0004	0.0004	chrysotile
	FINAL: 3rd Floor IWA Reception Office, East Side												
52	009499		3600	24	0.0004	1.0	0.0	1.0	<4.2	4.2	<0.0004	0.0004	chrysotile
	FINAL: 3rd Floor IWA North Side Office by Liberty Street												
53	009500		3600	24	0.0004	2.0	0.0	2.0	<4.2	8.3	<0.0004	0.0009	chrysotile
	FINAL: 3rd Floor IWA Examination Room, South Side												
54	009501		3600	24	0.0004	2.0	0.0	2.0	<4.2	8.3	<0.0004	0.0009	chrysotile
	FINAL: 3rd Floor IWA Mini Office Adj. to Bathroom, North Side												
55	009502		3600	24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
	FINAL: 3rd Floor IWA Administration Office, West Side												
56	009503		3600	24	0.0004	2.0	0.0	2.0	<4.2	8.3	<0.0004	0.0009	chrysotile
	FINAL: 2nd Floor IWA by Restaurant, North Side												

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/31/03

Paul J. Mucha/MP/GM/RI/AB

NVLAP#: 200546-0

SciLab Job #: 203034111
 Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYCDEP; 114 Liberty St.; NY, NY/POST-ABATE

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						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
57	009504 FINAL: 2nd Floor IWA by Restaurant, West Side		3600	.24	0.0004	3.0	0.0	3.0	<4.2	12.5	<0.0004	0.0013	chrysotile
58	009505 FINAL: 2nd Floor IW by Restaurant, East Side		3600	.24	0.0004	2.0	0.0	2.0	<4.2	8.3	<0.0004	0.0009	chrysotile
59	009506 FINAL: 2nd Floor IWA by Restaurant, South Side		3600	.24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
60	009507 FINAL: 2nd Floor IWA by Restaurant by Cashier's Desk		3600	.24	0.0004	0.0	1.0	1.0	4.2	4.2	0.0004	0.0004	chrysotile
61	009508 FINAL: 2nd Floor IWA Weight Watchers Office Opposite Elevator, East Side		3600	.24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
62	009509 FINAL: 2nd Floor IWA Weight Watchers Office by Liberty Street, North Side		3600	.24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
63	009510 FINAL: 2nd Floor IWA Weight Watchers Rear End Office, North Side		3600	.24	0.0004	2.0	0.0	2.0	<4.2	8.3	<0.0004	0.0009	chrysotile
64	009511 FINAL: 2nd Floor IWA Weight Watchers Rear End Office, South Side		3600	.24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD
65	009512 FINAL: 2nd Floor IWA Weight Watchers Rear End Office, West Side		3600	.24	0.0004	0.0	0.0	0.0	<4.2	<4.2	<0.0004	<0.0004	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/3/03

Paul J. Mucha
 Paul J. Mucha/MP/GM/RP/AB

NVLAP#: 200546-0

Scilab Job #: 203034112

Client Name: JLC Environmental Consultants

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Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYCDEP; 114 Liberty St (Post-Abate)

Scilab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	66 Final / 11th Floor Elevator Shaft	03/30/2003	10	360	3600	100	4	5.10	< 0.001	
02	67 Final / 9th Floor Elevator Shaft	03/30/2003	10	360	3600	100	3	3.82	< 0.001	
03	68 Final / 7th Floor Elevator Shaft	03/30/2003	10	360	3600	100	4	5.10	< 0.001	
04	69 Final / 6th Floor Elevator Shaft	03/30/2003	10	360	3600	100	3.5	4.46	< 0.001	
05	70 Final / 4th Floor Elevator Shaft	03/30/2003	10	360	3600	100	4	5.10	< 0.001	
06	71 Final / First Floor Lobby Near Elevator + Basement Door	03/30/2003	10	360	3600	100	6	7.64	0.001	
07	72 Final / First Floor Lobby Near Entrance From Liberty St. + Elevator	03/30/2003	10	360	3600	100	3	3.82	< 0.001	
08	73 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		Footnotes: /
09	74 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		Footnotes: /
10	75 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		Footnotes: /
11	76 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		Footnotes: /
12	77 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		Footnotes: /
13	78 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		Footnotes: /

See Reporting notes on last page

03/31/2003 12:51

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SCILAB NYC

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Scilab Job #: 203034112

Client Name: JLC Environmental Consultants

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Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYCDEP; 114 Liberty St (Post-Abate)

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
14	79 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		
15	80 Field Blank	03/30/2003	0	0	0	100	0.5	0.64		

Footnotes: /

Footnotes: /

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Tatyana Grinchuk

Samples analyzed by NIOSH 7400(A) Method: 62, 84, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 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1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2

SciLab Job 203034113

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYCDEP; 114 Liberty St.

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.) >5.0	Structure Concentration (struc/cc air) >5.0	Type of Asbestos
						0.5-5.0	>5.0	Total		
01	66		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, 11th Floor Elevator Shaft									
02	67		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, 9th Floor Elevator Shaft									
03	68		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, 7th Floor Elevator Shaft									
04	69		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, 6th Floor Elevator Shaft									
05	70		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, 4th Floor Elevator Shaft									
06	71		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, First Floor Lobby Near Elevator & Basement Door									
07	72		3600	.24	0.0004	0.0	0.0	0.0	<0.0004	NSD
	Final, First Floor Lobby Near Entrance From Liberty St. & Elevator									
08	73		0		1.0000	0.0	0.0	0.0	<1	NSD
	Field Blank									
09**	74		0							
	Field Blank									
10**	75		0							
	Field Blank									
11**	76		0							
	Field Blank									
12**	77		0							
	Field Blank									
13**	78		0							
	Field Blank									
14**	79		0							
	Field Blank									

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/31/03

Aleksandr Barengolis

NVLAP#: 200546-0

SciLab Jo 203034113

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYCDEP; 114 Liberty St.

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
15**	80		0			0.5-5.0	>5.0 Total	>5.0 Total	

Field Blank

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 3/31/03

Aleksandr Barenegolts

NVLAP#: 200546-0

04/23/2003 12:35 2126793114

SCILAB NYC ADMIN

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04/23/2008 12:00 2120130114
- CONSULTANTS, INC.

121 40-0

13034-682

AIR SAMPLE LOG

PROJECT NUMBER: 02-2744- - -

PROJECT MANAGER: Mohammed

10611-3 129 103

FLOOR 12

203034111

SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (Military)		FLOW RATE		VOLUME (l)	HIBERS/ FIELD	RESULTS (UCC)
SAMPLE #	FIELD #		start/ end	min	start/ end	l/min			
SAMPLE # 01	FIELD # 009448	FINAL :- ROOM I (KITCHEN) ADJACEN TO THE MICRO- TRAP INSIDE W/AREA 12FLR	15:30 21:30	360	10 01	10	3650.4	3 100	0.0004 LLOD
UMP #									
SAMPLE # 02	FIELD # 009449	FINAL :- At the center of the Restroom inside the W/area, 12FLR.	15:37 21:37	360	10 01	10	3650.4	3 100	0.0004 LLOD
UMP #									
SAMPLE # 03	FIELD # 009450	FINAL :- At the Northern side of Room II (Sitting Rm) inside the W/area 12FLR	15:40 21:40	360	10 01	10	3650.4	5 100	0.0007 LLOD
UMP #									
SAMPLE # 04	FIELD # 009451	FINAL :- At the Southern Side of Room II (Sitting Rm) inside W/area 12FLR.	15:45 21:45	360	10 01	10	3650.4	3 100	0.0004 LLOD
UMP #									
SAMPLE # 05	FIELD # 009452	FINAL :- At the center of the closet, adj. to RM II inside the W/area 12FLR	15:50 21:50	360	10 01	10	3650.4	2 100	<0.0004 LLOD
UMP #									
SAMPLE # AB #	FIELD #	FIELD BLANK							FB
UMP #									
SAMPLE # AB #	FIELD #	FIELD BLANK							FB
UMP #									
TECHNICIAN'S LOG									

CASSETTE		ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO	
PCM (0.8 MICRON MCE)	ID# <u>HRE 112</u>		☐ 2 HRS	☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME <u>PENNY</u>	
TEM (0.45 MICRON MCE)	C.F. <u>1-014</u>		☐ 4 HRS	☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PCR# <u>718 SPS 3744</u>	
LOT #	CALIB DATE / /		☐ 6 HRS	☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE / /	TIME

CHAIN OF CUSTODY		DATE	TIME
ELINQUISHED BY (print) <u>FRED</u>	(sign) <u>[Signature]</u>	3/30/03	2150
RECEIVED BY (print) <u>M. IV. KHAN</u>	(sign) <u>[Signature]</u>	3/32/03	2205
ELINQUISHED BY (print) <u>N Collins</u>	(sign) <u>[Signature]</u>	3/30/03	
RECEIVED BY (print) <u>R Rodriguez</u>	(sign) <u>[Signature]</u>	3/31/03	02:30
ALTERED BY (print) <u>SB 700</u>	(sign) <u>[Signature]</u>		
DIRECTED BY (print) <u>[Signature]</u>	(sign) <u>[Signature]</u>		

LAB INFORMATION

NAME: <u>J. L. MC</u>		LAB INFORMATION		COMMENTS
ANALYZED BY: <u>MC</u>	METHODOLOGY	MICROSCOPE/SERIAL #		
DATE: <u>3/30/83</u> TIME: _____	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204/104		
BY: _____ DATE: _____	☐ TEM - ABERA	☐ OLYMPUS CH5/700021		
<u>READ AS ASBESTOS & FIBER GLASS</u>				

READ AS ASBESTOS & FIBER GLASS

04/23/2003 12:35 2126793114
ENVIRONMENTAL CONSULTANTS, INC.

SCILAB NYC ADMIN

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AIR SAMPLE LOG

PROJECT NUMBER: 02-2744-1111

PROJECT MANAGER: Mohammad

TECHNICIAN: F. Agboda/E. Adewale

SIGNATURE: F. Agboda

DATE: 3/29/03

WHITE COPY - PROJECT MANAGER

YELLOW COPY - LABORATORY

FLOOR #11

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SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/min			
06		FINAL: - RM I Entrance opposite the elevator inside the W/area of 11 FLR.	1630		10			3	0.0004
AB #	009453		1635	360	10		3650.4	100	LLOD
PUMP #			2237		10				
07		FINAL: - RM II, Adjacent to the staircase inside W/area of 11 FLR	1635		10			2	0.0004
AB #	009454		1637	360	10		3650.4	100	LLOD
PUMP #			2237		10				
08		FINAL: - RM III, Entrance opposite to the staircase inside W/area of 11 FLR.	1640		10			2	0.0004
AB #	009455		1648	360	10		3650.4	100	LLOD
PUMP #			2248		10				
09		FINAL: - RM IV Entrance adjacent to the hallway inside W/area of 11 FLR	1645		10			4	0.0005
AB #	009456		1645	360	10		3650.4	100	
PUMP #			2245		10				
10		FINAL: - RM V Southern end of the hallway inside the W/area of 11 FLR	1650		10			2	0.0004
AB #	009457		1650	360	10		3650.4	100	LLOD
PUMP #			2250		10				
		FIELD BLANK							FB
		FIELD BLANK							FB

CASSETTE		ROTOMETER		TURNAROUND TIME		TYPE		RESULTS TO	
PCM (0.8 MICRON MCE)	ID# 1112-063			☐ 2 HRS ☒ 24 HRS		☐ PRE-ABATE ☐ OSHA		NAME PENNY	
TEM (0.45 MICRON MCE)	C.F. 1.0/4			☐ 4 HRS ☐ 48 HRS		☐ DURING ☐ ENVIRON		PH/PCR# 718, 895-3744	
LOT #	CALIB DATE 1/3/03			☐ 6 HRS ☐ OTHER		☒ POST-ABATE ☐ AMBIENT		DATE / / TIME	

CHAIN OF CUSTODY		DATE		TIME	
ELINQUISHED BY: (print) FRED/E. Adewale	(sign) F. Adewale	3/30/03		2150	
RECEIVED BY: (print) M. N. KHAN	(sign) M. N. KHAN	3/30/03		2205	
ELINQUISHED BY: (print) M. Collins	(sign) M. Collins	3/30/03			
RECEIVED BY: (print) R. Rodriguez	(sign) R. Rodriguez	3/31/03		0230	
ENTERED BY: (print)	(sign)				
CORRECTED BY: (print)	(sign)				

LAB INFORMATION		METHODODOLOGY		MICROSCOPE/SERIAL #		COMMENTS
LAB NAME: JEC		☐ PCM - NIOSH 7400.A		☐ OLYMPUS BH2/204104		
ANALYZED BY: JEC		☐ TEM - AHERA		☐ OLYMPUS CH5/700021		
DATE: 3/30/03	TIME	☐ TEM - EPA LEVEL II				
BY: JEC	DATE:					

ANALYZE FOR ASBESTOS & IIRFR GLASS

LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

AGENT: NYC DEPPROJECT NUMBER: 03-2749-111SITE: 114 Liberty StPROJECT MANAGER: M.N. KhanOFFICIAL: Peter Koshlosky SIGNATURE: [Signature]DATE: 3/30/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203034111

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SAMPLE INFORMATION

SAMPLE # ID	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
SAMPLE # <u>11</u> AB # <u>C09458</u> PUMP #		Final / 10 th floor, Living room, Center of room	710		10			8	0.0011
			1310	360	10	10	3650.4	100	
SAMPLE # <u>12</u> AB # <u>C09459</u> PUMP #		Final / 10 th floor N.W. Room	711		10			9	0.0012
			1311	360	10	10	3650.4	100	
SAMPLE # <u>13</u> AB # <u>C09460</u> PUMP #		Final / 10 th floor East N.E. side of dining room	712		10			6	0.0008
			1312	360	10	10	3650.4	100	
SAMPLE # <u>14</u> AB # <u>C09461</u> PUMP #		Final / 10 th floor Center of kitchen	713		10			9	0.0012
			1313	360	10	10	3650.4	100	
SAMPLE # <u>15</u> AB # <u>C09462</u> PUMP #		Final / 10 th floor Center of S.W. Room	714		10			5	0.0007
			1314	360	10	10	3650.4	100	
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HR-102</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME <u>PENNY</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PCR# <u>718595-3744</u>
LOT #	CALIB. DATE <u>1/16/03</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Peter Koshlosky</u>	<u>[Signature]</u>	<u>3/30/03</u>	<u>2150</u>
RECEIVED BY: (print) <u>M.N. KHAN</u>	(sign) <u>[Signature]</u>	<u>3/30/03</u>	<u>2205</u>
RELINQUISHED BY: (print) <u>McCollins</u>	(sign) <u>[Signature]</u>	<u>3/30/03</u>	
RECEIVED BY: (print) <u>R Rodriguez</u>	(sign) <u>[Signature]</u>	<u>3/31/03</u>	<u>12:30</u>
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME: <u>JEC</u>	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY: <u>[Signature]</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: <u>3/30/03</u> TIME	☐ TEM - AHERA	☐ OLYMPUS CH3/770021	
QC BY: <u>[Signature]</u> DATE	☐ TEM - AHERA LEVEL II		

04/23/2003 12:35 2126793114

SCILAB NYC ADMIN

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ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

IDENT. NYCDP

PROJECT NUMBER: 03-2744

E. 114 Liberty St.

PROJECT MANAGER: M.N. Khan

OFFICIAN Peter Koslowsky SIGNATURE

DATE 3/30/03

NOTE COPY = PROJECT MANAGER

LOW COPY = LABORATORY

203034111

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SAMPLE INFORMATION

SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/min			
16		Final / 9th floor Center of living room	735		10			6	0.0008
AB #	CC9463		1335	360	10	10	3650.4	100	
PUMP #									
17		Final / 9th floor Souly of dining room	736		10			7	0.0009
AB #	CC9464		1336	360	10	10	3650.4	100	
PUMP #									
18		Final / 9th floor west end of kitchen	737		10			9	0.0012
AB #	CC9465		1337	360	10	10	3650.4	100	
PUMP #									
19		Final / 9th floor S.E. Bedroom, center of room	738		10			4	0.0005
AB #	CC9466		1338	360	10	10	3650.4	100	
PUMP #									
20		Final / 9th floor S.W. Bedroom center of room	739		10			5	0.0007
AB #	CC9467		1339	360	10	10	3650.4	100	
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID#	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME <u>PERRY</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGRE <u>718, 595, 3744</u>
LOT #	CALIB DATE <u>1/1</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE <u>3/30/03</u> TIME <u>2150</u>

CHAIN OF CUSTODY

RELINQUISHED BY (print)	(sign)	DATE	TIME
Peter Koslowsky	P. Koslowsky	3/30/03	2150
RECEIVED BY (print)	(sign)	3/30/03	2205
M. N. Khan	M. N. Khan	3/30/03	
RECEIVED BY (print)	(sign)	3/31/03	02:30
Rodriguez	Rodriguez		
ENTERED BY (print)	(sign)		
CORRECTED BY (print)	(sign)		

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
AdC Inc	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2104104	
ANALYZED BY	☐ TEM - AHERA	☐ OLYMPUS BH2104104	
DATE 3/30/03 TIME	☐ TEM - EPA METHOD II		
QC BY			
DATE			

04/23/2003 12:35 2126793114

SCILAB NYC ADMIN

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CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT

TE 114 Liberty street NY, NY

PROJECT NUMBER: 02 2744

TECHNICIAN E. Adewale

PROJECT MANAGER: Mohammed

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

SIGNATURE

E. Adewale

DATE 3/30/03

203034111

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SAMPLE INFORMATION

SAMPLE ID	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
SAMPLE # 21 AB # CC9463 UMP #		8th floor 11A by Livingroom North side	0715 1315	3600	10 10	10	3650.4	5 100	0.0007
SAMPLE # 22 AB # CC9460 UMP #		8th floor 11A by dining room East side	0717 1317	3600	10 10	10	3650.4	6 100	0.0008
SAMPLE # 23 AB # CC9470 UMP #		8th floor 11A by kitchen West side	0719 1319	3600	10 10	10	3650.4	6 100	0.0008
SAMPLE # 24 AB # CC9471 UMP #		8th floor 11A by SE Bedroom South East	0721 1321	3600	10 10	10	3650.4	8 100	0.0011
SAMPLE # 25 AB # CC9472 UMP #		8th floor 11A Bedroom South West	0723 1323	3600	10 10	10	3650.4	4 100	0.0005
SAMPLE # AB #		FIELD BLANK							FB
SAMPLE # AB #		FIELD BLANK							FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO	
PCM (0.8 MICRON MCE)	ID# HFR-063	☐ 2 HRS	☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME	PENNY
TEM (0.45 MICRON MCE)	CF 1-014	☐ 4 HRS	☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR	218 595 3744
LOT #	CALIB. DATE 3/03	☐ 6 HRS	☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE	3/30/03

CHAIN OF CUSTODY

ELINQUISHED BY (print)	RECEIVED BY (print)	ELINQUISHED BY (print)	RECEIVED BY (print)	ENTERED BY (print)	CORRECTED BY (print)	DATE	TIME
E. Adewale	M. N. KHAN	M. N. KHAN	R. Rodriguez			3/30/03	2150
						3/30/03	2200
						3/30/03	
						3/31/03	0230

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY JAC MC	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2204104	
DATE 3/30/03	☐ TEM - AHERA	☐ OLYMPUS CBH70002	
C BY	☐ TEM - EPA LEVEL II		

ANALYZE AS ASBESTOS + FIBER GLASS

LC ENVIRONMENTAL CONSULTANTS, INC.

111 FLOOR

AIR SAMPLE LOG

CLIENT

PROJECT NUMBER: 02-2744

TE 114 Liberty Street NY, NY

PROJECT MANAGER: Mohammed

TECHNICIAN E. Adenale SIGNATURE E. Adenale

DATE 3/30/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203034111

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SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/m			
SAMPLE #	FIELD #								
LAB #	26 CC9473	7th floor IWA By living room North side	0745 1345	360	10 10	10	3650.4	5 100	0.0007
PUMP #									
SAMPLE #	FIELD #								
LAB #	27 CC9474	7th floor IWA by dining room East side	0747 1347	360	10 10	10	3650.4	5 100	0.0007
PUMP #									
SAMPLE #	FIELD #								
LAB #	28 CC9475	7th floor IWA by kitchen West side	0749 1349	360	10 10	10	3650.4	3 100	0.0004 LLOP
PUMP #									
SAMPLE #	FIELD #								
LAB #	29 CC9476	7th floor IWA By Bedroom South East	0751 1351	360	10 10	10	3650.4	7 100	0.0009
PUMP #									
SAMPLE #	FIELD #								
LAB #	30 CC9477	7th floor IWA By Bedroom Southwest	0753 1353	360	10 10	10	3650.4	3 100	0.0004 LLOP
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG			
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE
☐ PCM (0.8 MICRON MCE)	ID# H-2-063	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON
LOT #	CALIB. DATE 3/10	☐ 6 HRS ☐ OTHER	☒ POST-ABATE ☐ AMBIENT
RESULTS TO			NAME PENNY
PH/PG			DATE 3/30/03

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) E. Adenale	(sign) E. Adenale	3/30/03	2150
RECEIVED BY: (print) M. N. KHAN	(sign) M. N. KHAN	3/30/03	2205
RELINQUISHED BY: (print) M. Collins	(sign) M. Collins	3/30/03	
RECEIVED BY: (print) R. Kelly	(sign) R. Kelly	3/31/03	1230
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION		COMMENTS
LAB NAME: JEC	METHODOLOGY	
ANALYZED BY: JEC	☐ PCM - NIOSH 7400.A	
DATE: 3/30/03	☐ TEM ALPHA	
QC BY: JEC	☐ TEM ALPHA LEVEL II	
	MICROSCOPE/SERIAL #	
	☐ OLYMPUS BH7/204104	
	☐ OLYMPUS CHS10001	

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DEP

PROJECT NUMBER: 03-2744-

TE: 114 Liberty St

PROJECT MANAGER: M.N. Khan

EC: Peter Koslosky

SIGNATURE

DATE 3/30/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

203034111

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SAMPLE INFORMATION

SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
31		Final / 6 th floor	1415		10				
AB #	CC9473	South side of living room	2015	360	10	10	3650.4	5 / 100	0.0007
PUMP #									
32		Final / 6 th floor	1416		10				
AB #	CC9473	North side of	2016	360	10	10	3650.4	5 / 100	0.0007
PUMP #		Dining room							
33		Final / 6 th floor	1417		10				
AB #	CC9480	center of Kitchen	2017	360	10	10	3650.4	3 / 100	0.0004
PUMP #									LEAD
34		Final / 6 th floor	1418		10				
AB #	CC9481	East bedroom, just	2018	360	10	10	3650.4	5 / 100	0.0007
PUMP #		South of Kitchen							
35		Final / 6 th floor	1419		10				
AB #	CC9482	S. W. Bedroom	2019	360	10	10	3650.4	6 / 100	0.0008
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGRA 718 895.3744
LOT #	CALIB DATE 1/6/03	☐ 6 HRS ☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
Peter Koslosky		3/30/03	2150
RECEIVED BY: (print)	(sign)		
M. N. KHAN		3/30/03	2205
RELINQUISHED BY: (print)	(sign)		
M. Collins		3/30/03	
RECEIVED BY: (print)	(sign)		
R. Rodas		3/31/03	02:30
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY: JEC	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204104	
DATE: 3/30/03	☐ TEM - AHERA	☐ OLYMPUS CHC/20031	
QC BY: DATE	☐ TEM - EPA LEVEL II		

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DEPPROJECT NUMBER: 03-2744SITE: 114 Liberty StPROJECT MANAGER: M. N. KhanTECHNICIAN: Peter KoslowskySIGNATURE: Peter KoslowskyDATE: 3/30/03WHITE COPY - PROJECT MANAGER
YELLOW COPY - LABORATORY

203034111

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SAMPLE INFORMATION

SAMPLE ID	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/min			
SAMPLE # <u>36</u> LAB # <u>009483</u> PUMP #	Final/5th floor Center of living room	1425	360	10	10	3650.4	2 / 100	<0.0004
SAMPLE # <u>37</u> LAB # <u>009484</u> PUMP #	Final/5th floor East side of Dining room	1426	360	10	10	3650.4	8 / 100	0.0011
SAMPLE # <u>38</u> LAB # <u>009485</u> PUMP #	Final/5th floor Center of Kitchen	1427	360	10	10	3650.4	9 / 100	0.0009
SAMPLE # <u>39</u> LAB # <u>009486</u> PUMP #	Final/5th floor S.E. Bedroom	1428	360	10	10	3650.4	4 / 100	0.0005
SAMPLE # <u>40</u> LAB # <u>009487</u> PUMP #	Final/5th floor S.W. Bedroom	1429	360	10	10	3650.4	4 / 100	0.0005
SAMPLE # LAB # PUMP #	FIELD BLANK							FB
SAMPLE # LAB # PUMP #	FIELD BLANK							FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	IO# <u>HER-112</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME <u>Penny</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PG# <u>818 595 3744</u>
LOT #	CALIB. DATE <u>1/6/03</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE <u>3/30/03</u> TIME <u>02:30</u>

CHAIN OF CUSTODY

RELINQUISHED BY (print)	(sign)	DATE	TIME
<u>Peter Koslowsky</u>	<u>Peter Koslowsky</u>	<u>3/30/03</u>	<u>21:50</u>
RECEIVED BY (print) <u>M. N. Khan</u>	(sign) <u>M. N. Khan</u>	<u>3/30/03</u>	<u>22:05</u>
RELINQUISHED BY (print) <u>M. Collins</u>	(sign) <u>M. Collins</u>	<u>3/30/03</u>	
RECEIVED BY (print) <u>R. Rodriguez</u>	(sign) <u>R. Rodriguez</u>	<u>3/31/03</u>	<u>02:30</u>
ENTERED BY (print)	(sign)		
CORRECTED BY (print)	(sign)		

LAB INFORMATION		COMMENTS
LAB NAME: <u>JLC</u>	METHODOLOGY	
ANALYZED BY: <u>3/30/03</u>	☐ PCM - NIOSH 7400 A	
DATE: <u>3/30/03</u> TIME	☐ TEM - AHERA	
QC BY: DATE	☐ TEM - EPA LEVEL II	
MICROSCOPE/SERIAL #		
☐ OLYMPUS BH7204104		
☐ OLYMPUS CH37C0031		

ABSTRACTS & DATA C. 100

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DEP

TE: 114 Liberty St

PROJECT NUMBER: 03-2744

TECHNICIAN: Peter Koslovsky

SIGNATURE: [Signature]

PROJECT MANAGER: M.N. Khan

NOTE COPY = PROJECT MANAGER
BLOW COPY = LABORATORY

203034111

DATE: 3/30/03

TIME: 1:15 PM

SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/min			
41		Final 1/4 floor	1435		10				
AB #	009488	Center of living room	2035	360	10	10	3650.4	4/100	0.0005
42		Final 1/4 floor	1436		10				
AB #	009489	Center of dining room	2036	360	10	10	3650.4	7/100	0.0009
43		Final 1/4 floor	1437		10				
AB #	009490	Center of Kitchen	2037	360	10	10	3650.4	6/100	0.0008
44		Final 1/4 floor	1438		10				
AB #	009491	S.E. Bedroom	2038	360	10	10	3650.4	5/100	0.0007
45		Final 1/4 floor	1439		10				
AB #	009492	S.W. Bedroom	2039	360	10	10	3650.4	6/100	0.0008
		FIELD BLANK							FB
		FIELD BLANK							FB

CASSETTE		ROTOMETER		TURNAROUND TIME		TYPE		RESULTS TO	
PCM (0.8 MICRON MCE)	ID# MPR-112	☐ 2 HRS	☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME: PENNY			
TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS	☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PR: 918 595 3744			
LOT #	CALIB DATE 1/6/03	☐ 6 HRS	☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE: / / TIME			

RELINQUISHED BY (print)		SIGNATURE		DATE	TIME
Peter Koslovsky		[Signature]		3/30/03	2150
M.N. KHAN		[Signature]		3/30/03	2205
[Signature]		[Signature]		3/30/03	
[Signature]		[Signature]		3/31/03	02:30

LAB INFORMATION		METHODOLOGY		MICROSCOPE/SERIAL #		COMMENTS
ANALYZED BY: JIC	DATE: 3/30/03	☐ PCM - NIOSH 7400A	☐ TEM - AMERA	☐ OLYMPUS BH204104	☐ OLYMPUS CH3500031	
IC BY: [Signature]		DATE: 4/1/03		[Signature]		

04/23/2003 12:35 2126793114

ENVIRONMENTAL CONSULTANTS, INC.

SCILAB NYC ADMIN

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AIR SAMPLE LOG

AGENT

TE 114 Liberty Street NY, NY

PROJECT NUMBER: 02-2744-

ECNICIAN E. Adewale

SIGNATURE E. Adewale

PROJECT MANAGER: Mehri meel

DATE 3/30/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203034111

PAGE 10 of 15

SAMPLE INFORMATION

SAMPLE ID	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/min			
SAMPLE # 47 LAB # 009493 PUMP #	3rd floor IWA Bedroom #1 North side	1430 2030	36.0	10 10	10	3650.4	4 100	0.0005
SAMPLE # 47 LAB # 009494 PUMP #	3rd floor IWA Bedroom #2 East side	1432 2032	36.0	10 10	10	3650.4	6 100	0.0008
SAMPLE # 48 LAB # 009495 PUMP #	3rd floor IWA by Livingroom East side	1434 2034	36.0	10 10	10	3650.4	3 100	0.0004
SAMPLE # 48 LAB # 009496 PUMP #	3rd floor IWA by Livingroom South East	1436 2036	36.0	10 10	10	3650.4	4 100	0.0005
SAMPLE # 50 LAB # 009497 PUMP #	3rd floor IWA Bedroom #3 Southwest	1438 2038	36.0	10 10	10	3650.4	4 100	0.0005
SAMPLE # LAB #	FIELD BLANK							FB
SAMPLE # LAB #	FIELD BLANK							FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO	
☒ PCM (0.8 MICRON MCE)	ID# HFR-063	☐ 2 HRS	☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME	PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS	☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PG	818 895 3244
LOT #	CALIB DATE 1/1/03	☐ 6 HRS	☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE	3/30/03

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	RECEIVED BY: (print)	(sign)	DATE	TIME
E. Adewale	M.N. KHAN	E. Adewale	3/30/03	2150
			3/30/03	2205
			3/30/03	
			3/31/03	0230

LAB INFORMATION		COMMENTS	
LAB NAME	METHOD	MICROSCOPE/SERIAL #	
ANALYZED BY	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204104	
DATE 3/30/03	☐ TLM - AHERA	☐ OLYMPUS CH57/00021	
QC BY	☐ TEM - EPA LEVEL II		

ASBESTOS & FIBER GLASS

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SCILAB NYC ADMIN

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ENVIRONMENTAL CONSULTANTS, INC.

3rd Floor
Optometry office

AIR SAMPLE LOG

AGENT

TE 114 Liberty street NY, NY

PROJECT NUMBER: 02-2744

TECHNICIAN E. Adewale

PROJECT MANAGER: Mohammed

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

SIGNATURE E. Adewale

DATE 3/30/03

203034111

PAGE 11 OF 15

SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/min			
31 LAB # 009493		3rd floor IWA Reception office East side	1445	2045	10	10	3650.4	2	LO.0004
32 LAB # 009499		3rd floor IWA North side office by Liberty street	1447	2047	10	10	3650.4	4	0.0005
33 LAB # 009500		3rd floor IWA Examination room South side	1449	2049	10	10	3650.4	5	0.0007
34 LAB # 009501		3rd floor IWA Mini office adjacent to bathroom North side	1451	2051	10	10	3650.4	5	0.0007
35 LAB # 009512		3rd floor IWA Administrative office West side	1453	2053	10	10	3650.4	4	0.0005
SAMPLE #	FIELD #	FIELD BLANK							
LAB #									FB
SAMPLE #	FIELD #	FIELD BLANK							
LAB #									FB

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE
☒ PCM (0.6 MICRON MCE)	ID# HPR-063	☐ 2 HRS	☒ 24 HRS	☐ PRE-ABATE ☐ OSHA
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS	☐ 48 HRS	☐ DURING ☐ ENVIRON
LOT #	CALIB DATE 1/1/03	☐ 6 HRS	☐ OTHER	☒ POST-ABATE ☐ AMBIENT
		RESULTS TO		NAME PENNY
		PH/PGF 718 595 3744		DATE 3/30/03
		TIME		

CHAIN OF CUSTODY			
RELINQUISHED BY (print)	(sign)	DATE	TIME
E. Adewale	E. Adewale	3/30/03	2150
RECEIVED BY (print) M. N. KHAN	(sign) M. N. Khan	3/30/03	2205
RELINQUISHED BY (print) R. Collins	(sign) R. Collins	3/30/03	
RECEIVED BY (print) R. Collins	(sign) R. Collins	3/31/03	0230
ENTERED BY (print)	(sign)		
CORRECTED BY (print)	(sign)		

LAB INFORMATION		
LAB NAME: JEC	METHODOLOGY	MICROSCOPE/SERIAL #
ANALYZED BY: JEC	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104
DATE 3/30/03 TIME	☐ TEM - AHERA	☐ OLYMPUS CH50/C0021
QC BY: DATE	☐ TEM - LOW LEVEL II	COMMENTS

ASBESTOS & FIBER GLASS

04/23/2003 12:35 2126793114

SCILAB NYC ADMIN

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ENVIRONMENTAL CONSULTANTS, INC. 2nd floor Restaurant AIR SAMPLE LOG

CLIENT: TE: 114 Liberty street NY, NY
 PROJECT NUMBER: 02-2744
 PROJECT MANAGER: Muhammed
 ANALYST: E. Adewale SIGNATURE: E. Adewale DATE: 3/30/03
 WHITE COPY = PROJECT MANAGER
 YELLOW COPY = LABORATORY
 203034111
 PAGE 12 OF 15

SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/m			
36		2nd floor UWA by Restaurant	1500	2011	10	10	3650.4	5/100	0.0007
AB # 0095.3		North side	1502	2012	10	10	3650.4	5/100	0.0007
37		2nd floor UWA by Restaurant	1502	2012	10	10	3650.4	5/100	0.0007
AB # 0095.4		West side	1504	2012	10	10	3650.4	3/100	0.0004
38		2nd floor UWA by Restaurant	1504	2012	10	10	3650.4	2/100	LOD
AB # 0095.5		East side	1506	2013	10	10	3650.4	2/100	LO.0004
39		2nd floor UWA by Restaurant	1506	2013	10	10	3650.4	100	LOD
AB # 0095.6		South side	1508	2013	10	10	3660.4	6/100	0.0008
60		2nd floor UWA by Restaurant by							
AB # 0095.7		Cashiers desk							
		FIELD BLANK							FB
		FIELD BLANK							FB

CASSETTE	ROTMETER	TURNAROUND TIME	TYPE	RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# <u>HR-063</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME <u>PENNY</u>
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PO <u>218 595 3744</u>
LOT #	CALIB. DATE <u>TX103</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY			
RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>E. Adewale</u>	<u>E. Adewale</u>	<u>3/30/03</u>	<u>2150</u>
RECEIVED BY: (print)	(sign)		
<u>M. N. KHAN</u>	<u>M. N. KHAN</u>	<u>3/30/03</u>	<u>2205</u>
RELINQUISHED BY: (print)	(sign)		
<u>R. Collins</u>	<u>R. Collins</u>	<u>3/30/03</u>	<u>2230</u>
RECEIVED BY: (print)	(sign)		
<u>R. Lodoj</u>	<u>R. Lodoj</u>	<u>3/31/03</u>	<u>0230</u>
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION	COMMENTS
ANALYZED BY: <u>MC</u> DATE: <u>3/30/03</u> TIME: QC BY: DATE METHODOLOGY ☐ PCM - NIOSH 7400.A ☐ TEM - AHERA ☐ TEM - EPA LEVEL II MICROSCOPE/SERIAL # ☐ OLYMPUS BH7204104 ☐ OLYMPUS CH5200021	ASBESTOS & FIBER GLASS

04/23/2003 12:35 2126793114

SCILAB NYC ADMIN

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LC ENVIRONMENTAL CONSULTANTS, INC. L'EST & WCT

AIR SAMPLE LOG

AGENT: 114 Liberty street NY, NY PROJECT NUMBER: 012-2744

TECHNICIAN: E. Adewale PROJECT MANAGER: Mohammed

SIGNATURE: E. Adewale DATE: 3/30/03

NOTE COPY = PROJECT MANAGER
BLOW COPY = LABORATORY

203034111 PAGE 13 OF 15

SAMPLE INFORMATION									
SAMPLE ID		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/min			
SAMPLE # 01	FIELD # 009508	2nd floor IWA Weight Watchers office opposite elevator East side	1510	2110	360	10	3650.4	4/100	0.0005
SAMPLE # 02	FIELD # 009509	2nd floor IWA Weight Watchers main office by Liberty street North side	1512	2112	360	10	3650.4	4/100	0.0005
SAMPLE # 03	FIELD # 009510	2nd floor IWA Weight Watchers rear end office North side	1514	2114	360	10	3650.4	5/100	0.0007
SAMPLE # 04	FIELD # 009511	2nd floor IWA Weight Watchers rear end office South side	1516	2116	360	10	3650.4	7/100	0.0009
SAMPLE # 05	FIELD # 009512	2nd floor IWA Weight Watchers rear end office West side	1518	2118	360	10	3650.4	5/100	0.0007
SAMPLE #	FIELD #	FIELD BLANK							FB
SAMPLE #	FIELD #	FIELD BLANK							FB

CASSETTE		ROTORMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HFL-063</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME _____	
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PCR#() _____	
LOT # _____	CALIB DATE <u>3/10/03</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME _____	

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) <u>E. Adewale</u>	(sign) <u>E. Adewale</u>	<u>3/30/03</u>	<u>2150</u>
RECEIVED BY: (print) <u>M. N. KHAN</u>	(sign) <u>M. N. KHAN</u>	<u>3/30/03</u>	<u>2205</u>
RELINQUISHED BY: (print) <u>M. Collins</u>	(sign) <u>M. Collins</u>	<u>3/30/03</u>	<u>1230</u>
RECEIVED BY: (print) <u>R. Kody</u>	(sign) <u>R. Kody</u>	<u>3/31/03</u>	<u>1230</u>
ENTERED BY: (print) _____	(sign) _____		
CORRECTED BY: (print) _____	(sign) _____		

LAB INFORMATION		COMMENTS
LAB NAME: <u>J. LC</u>	METHODOLOGY	
ANALYZED BY: <u>ma</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104
DATE: <u>3/30/03</u> TIME _____	☐ TEM - ALERA	☐ OLYMPUS CH5/210021
QC BY: _____ DATE _____	☐ TEM - PAS-TECH II	

NRPSTAC 1. FIBER GLASS

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYC DEP 203034112PROJECT NUMBER: 03-2744SITE: 114 Liberty StTECHNICIAN: Peter KoslowskySIGNATURE: Peter KoslowskyPROJECT MANAGER: M.N. KhanDATE: 3/30/03WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY* Analyze for PCM & TEMPAGE 14 OF 15

SAMPLE INFORMATION

SAMPLE # I.D.	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/m			
SAMPLE # <u>66</u>	FIELD #	Final / 11th floor Elevator shaft	2100 0300	360	10 10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>67</u>	FIELD #	Final / 9th floor Elevator shaft	2105 0305	360	10 10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>68</u>	FIELD #	Final / 7th floor Elevator shaft	2110 0310	360	10 10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>69</u>	FIELD #	Final / 6th floor Elevator shaft	2115 0315	360	10 10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>70</u>	FIELD #	Final / 2nd floor Elevator shaft	2120 0320	360	10 10	10	3650.4		
LAB #									
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# <u>MIR-112</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#() _____
LOT # _____	CALIB. DATE <u>7/6/03</u>	☐ 6 HRS ☐ OTHER _____	☒ POST-ABATE	☐ AMBIENT	DATE <u>3/31/03</u> TIME _____

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Peter Koslowsky</u>	<u>Peter Koslowsky</u>	<u>3/31/03</u>	<u>04:35</u>
RECEIVED BY: (print) <u>L. Clarke</u>	(sign) _____	_____	_____
RELINQUISHED BY: (print) _____	(sign) _____	_____	_____
RECEIVED BY: (print) _____	(sign) _____	_____	_____
ENTERED BY: (print) _____	(sign) _____	_____	_____
CORRECTED BY: (print) _____	(sign) _____	_____	_____

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: <u>[Signature]</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: <u>3/31/03</u> TIME: _____	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: _____ DATE: _____	☐ TEM - EPA LEVEL II		

ENVIRONMENTAL CONSULTANTS, INC.

203034112

AIR SAMPLE LOG

CLIENT: NYCD EP

SITE: 114 Liberty St

PROJECT NUMBER: 03-0749

TECHNICIAN: Peter Koslowsky

SIGNATURE: *[Signature]*

PROJECT MANAGER: M.V. Kell

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

DATE: 3/30/03

PAGE 15 OF 15

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/min			
71		Final / First floor lobby near elevator + basement door	0125	360	10	3650.4			
72		Final / First floor lobby near entrance from Liberty St + Elevator	0126	360	10	3650.4			
73		FIELD BLANK							
74		FIELD BLANK							
75		FIELD BLANK							
76		FIELD BLANK							FB
77		FIELD BLANK							FB

TECHNICIAN'S LOG				
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
PCM (0.8 MICRON MCE)	ID# HFR-112	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME
TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PGR# ()
LOT #	CALIB. DATE 1/6/03	☐ 6 HRS ☐ OTHER	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME :

CHAIN OF CUSTODY				
RELINQUISHED BY: (print)	(sign)	DATE	TIME	
Peter Koslowsky	<i>[Signature]</i>	3/31/03		
RECEIVED BY: (print)	(sign)			
RELINQUISHED BY: (print)	(sign)			
RECEIVED BY: (print)	(sign)			
ENTERED BY: (print)	(sign)			
CORRECTED BY: (print)	(sign)			

LAB INFORMATION				
ANALYZED BY:	METHODOLOGY	MICROSCOPE/SERIAL #		COMMENTS:
DATE: 3/31/03 TIME: 05	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104		
IC BY: DATE:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021		
	☐ TEM - EPA LEVEL II			

ENVIRONMENTAL CONSULTANTS, INC.

203034112

AIR SAMPLE LOG

CLIENT: NYCDOP

SITE: 114 Liberty St.

PROJECT NUMBER: 03-2740-1111

TECHNICIAN: Peter Kaslowsky

SIGNATURE: *[Signature]*

PROJECT MANAGER: M. N. Khan

1st COPY = PROJECT MANAGER
2nd COPY = LABORATORY

DATE 3/30/03

PAGE 6 OF 6

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # 78 LAB # PUMP #	FIELD BLANK	/		/				
SAMPLE # 79 LAB # PUMP #	FIELD BLANK	/		/				
SAMPLE # 80 LAB # PUMP #	FIELD BLANK	/		/				
SAMPLE # LAB # PUMP #		/		/				
SAMPLE # LAB # PUMP #		/		/				
SAMPLE # LAB # PUMP #		/		/				
SAMPLE # LAB # PUMP #		/		/				
SAMPLE # LAB # PUMP #	FIELD BLANK	/		/				FB
SAMPLE # LAB # PUMP #	FIELD BLANK	/		/				FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HRL-112	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME
☒ TEM (0.45 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PGR#()
LOT #	CALIB. DATE 7/6/03	☐ 8 HRS ☐ OTHER	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
Peter Kaslowsky	<i>[Signature]</i>	3/31/03	
RECEIVED BY: (print)	(sign)		
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print)	(sign)		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

ANALYZED BY:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
<i>[Signature]</i>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: 3/31/03	☐ TEM - AHERA	☐ OLYMPUS CHS7C0021	
IC BY: DATE:	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 3/30/03
 Date Analyzed: 3/30/03
 Batch #: 0303A683

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 30-March A 9513	During/ On Sidewalk/ OWA/ Liberty Street Side	610	3711	5/100	<u>0.0007</u>
002 30-March A 9514	During/ OWA/ West Side/ Next to Decon	610	3711	8/100	<u>0.0011</u>
003 30-March A 9515	During/ OWA/ East Side of Decon	610	3711	10/100	<u>0.0013</u>
004 30-March A 9516	During/ Inside Clean Room of Decon/ For Residential Work Area	610	3711	6/100	<u>0.0008</u>
005 30-March A 9517	During/ Inside Decon/ For Basement & Pizzaria Phase	610	3711	10/100	<u>0.0013</u>
006 30-March A 9518	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

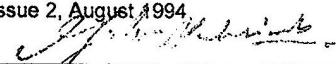
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994.

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 3, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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Phone: (212) 420-8119 Fax: (212) 420-6092

Project No.: 03-2744
Analyte: FIBERS
Date Received: 3/30/03
Date Analyzed: 3/30/03
Batch #: 0303A683

New York City D.E.P.
59-17 Junction Blvd.
Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
30-March					
A 9519					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

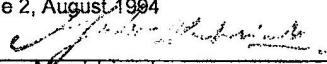
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: April 3, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab Job #: 203034109

Client Name: JLC Environmental Consultants

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
03-2744; NYCDEP; 114 Liberty St.

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) >5.0 Total	Type of Asbestos
						0.5-5.0	>5.0	Total	>5.0	Total		
01	009513		3660	.12	0.0009	2.0	1.0	3.0	8.3	25.0	0.0009 0.0026	chrysotile
	During, OWA, On Sidewalk Liberty St. Side											
02	009514		3660	.12	0.0009	0.0	0.0	0.0	<8.3	<8.3	<0.0009 <0.0009	NSD
	During, OWA, West Side, Next To Decon											
03	009515		3660	.12	0.0009	3.0	0.0	3.0	<8.3	25.0	<0.0009 0.0026	chrysotile
	During, OWA, East Side Of Decon											
04	009516		3660	.12	0.0009	0.0	0.0	0.0	<8.3	<8.3	<0.0009 <0.0009	NSD
	During, Inside Clean Room Of Decon For Residential Work Area											
05	009517		3660	.12	0.0009	0.0	0.0	0.0	<8.3	<8.3	<0.0009 <0.0009	NSD
	During, Inside Decon For Basement & Pizzeria Phase											
06**	009518		0									
	Field Blank, Not Submitted											
07**	009519		0									
	Field Blank, Not Submitted											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

Analyzed By: _____


 Date: 4/1/03
 Mark Peysakhov

NYLAB#: 200546-0

04/01/2003 20:36 2126799392

SCILAB NYC

PAGE 03/04
AIR SAMPLE LOG

0303683

ENT: NYCDEP

PROJECT NUMBER: 03-2744

E: 114 Liberty St.

PROJECT MANAGER: M. N. Klu

OFFICIAN: Peter Koslowsky

SIGNATURE: *P. Koslowsky*

DATE: 3/30/03

SITE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

203034109

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/ end	min	start/ end	l/m			
SAMPLE # 1 AB # 009513 PUMP #	During / On sidewalk OWA, Liberty St side	620 1630	610	6 6	6	3711	5 100	0.0007
SAMPLE # 2 AB # 009514 PUMP #	During / OWA, West side, next to decon	621 1631	610	6 6	6	3711	8 100	0.0011
SAMPLE # 3 AB # 009515 PUMP #	During / OWA, East side of decon	622 1632	610	6 6	6	3711	10 100	0.0013
SAMPLE # 4 AB # 009516 PUMP #	During / inside clean room of decon For residential work area	623 1633	610	6 6	6	3711	6 100	0.0008
SAMPLE # 5 AB # 009517 PUMP #	During / inside decon for basement + Pizzaria phase.	625 1635	610	6 6	6	3711	10 100	0.0013
SAMPLE # 6 AB # 009518 PUMP #	FIELD BLANK						0 100	FB
SAMPLE # 7 AB # 009519 PUMP #	FIELD BLANK						0 100	FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <i>Lot # 10210</i>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME <i>Penny</i>
☒ TEM (0.45 MICRON MCE)	C.F. <i>1.014</i>	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PCR# ()
LOT #	CALIB. DATE <i>1/6/03</i>	☐ 6 HRS ☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY (print)	(sign)	DATE	TIME
<i>Peter Koslowsky</i>	<i>P. Koslowsky</i>	<i>3/30/03</i>	
RECEIVED BY (print) <i>Madell Collins</i>	(sign) <i>Madell Collins</i>	<i>3/30/03</i>	
RELINQUISHED BY (print)	(sign)		
RECEIVED BY (print) <i>L. Clarke</i>	(sign) <i>L. Clarke</i>	<i>3/31/03</i>	<i>8:10 AM</i>
ENTERED BY (print)	(sign)		
CORRECTED BY (print)	(sign)		

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
<i>JEC</i>	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204104	
ANALYZED BY <i>JEC</i>	☐ TEM - AMBER	☐ OLYMPUS CHS/C00021	
DATE <i>3/30/03</i>	☐ TEM - EPA LEVEL II		
QC BY			

JLC ENVIRONMENTAL CONSULTANTS, INC.
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New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/1/03
 Date Analyzed: 4/1/03
 Batch #: 0304A695

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 31-March A 9705	During/ Entrance to Bldg./ OWA	600	3643	4/100	<u>0.0005</u>
002 31-March A 9706	During/ Inside of Bldg./ Northern Side	600	3643	6/100	<u>0.0008</u>
003 31-March A 9707	During/ Entrance to Bldg./ Rear/ Cedar Street/ OWA	600	3643	3/100	<u>0.0004<LOD</u>
004 31-March A 9708	During/ Inside of Bldg./ Southern Side	600	3643	6/100	<u>0.0008</u>
005 31-March A 9709	During/ Inside of Personal Decon/ Clean Room	600	3643	7/100	<u>0.0009</u>
006 31-March A 9710	FIELD BLANK			0/100	

Sample Analysis by:
 Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 4, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/1/03
 Date Analyzed: 4/1/03
 Batch #: 0304A695

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK				0/100
31-March					
A 9711					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

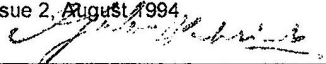
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994.

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 4, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

SciLab #: 203041048

Client Name: JLC Environmental Consultants

Table I

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

03-2744; NYC DEP; 114 Liberty Street; NY, NY/DURINGS

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	009705		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During/Entrance to Bldg. 114 Liberty Street (OWA)										
02	009706		3600	.12	0.0009	1.0	2.0	16.7	25.0	0.0018	0.0027	chrysotile amphibole
		During/Inside of Bldg. Northern Side										
03	009707		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
		During/Entrance to Bldg. (Rear) Cedar Street (OWA)										
04	009708		3600	.12	0.0009	3.0	0.0	<8.3	25.0	<0.0009	0.0027	chrysotile
		During/Inside of Bldg. Southern Side										
05	009709		3643	.12	0.0009	2.0	0.0	<8.3	16.7	<0.0009	0.0018	chrysotile
		During/Inside of Personal Decon Clean Room										

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 4/1/03

Mark Pevsakhov

NVLAP#: 200546-0

0304 A 695

AIR SAMPLE LOG

AGENT: NYC DEP.

PROJECT NUMBER: 03-2744-

TE: 114 LIBERTY STREET, N.Y.N.Y.

PROJECT MANAGER: M.N. KHAN.

OFFICIAL: Michael Heberty SIGNATURE

DATE 03/31/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

203041048

PAGE 01 OF 01

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/m			
SAMPLE # 01 LAB # 0097-5 PUMP #	DURING ENTRANCE TO BLD. 114 LIBERTY STREET (OWA).	08:00 18:00	600	6 6	L	3643	4 100	0.0005
SAMPLE # 02 LAB # 0097-6 PUMP #	DURING INSIDE OF BLD. NORTHERN SIDE.	08:02 18:02	600	6 6	L	3643	6 100	0.0008
SAMPLE # 03 LAB # 0097-7 PUMP #	DURING ENTRANCE TO BLD. (NEAR) CEDAR STREET (OWA).	08:04 18:04	600	6 6	L	3643	3 100	0.0004 LLD
SAMPLE # 04 LAB # 0097-5 PUMP #	DURING INSIDE OF BLD. SOUTHERN SIDE.	08:06 18:06	600	6 6	L	3643	6 100	0.0008
SAMPLE # 05 LAB # 0097-5 PUMP #	DURING INSIDE OF PERSONAL DECON - CLEAN ROOM.	08:08 18:08	600	6 6	L	3643	7 100	0.0009
SAMPLE # 06 LAB # 0097-10 PUMP #	FIELD BLANK						0 100	FB
SAMPLE # 07 LAB # 0097-11 PUMP #	FIELD BLANK						0 100	FB

TECHNICAL LOG

CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-105	☐ 2 HRS	☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.012	☐ 4 HRS	☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR# ()
LOT #	CALIB. DATE 3/5/3	☐ 8 HRS	☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE 4/01/03 TIME 8:00

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
Michael Heberty	M. Heberty	03/31/03	1825
RECEIVED BY: (print)	(sign)	4/1/03	
RELINQUISHED BY: (print)	(sign)	4/1/03	1100
RECEIVED BY: (print) Leonathedrick	(sign) Leonathedrick		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: [signature]	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: 4/1/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

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 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/1/2003
 Date Analyzed: 4/1/2003
 Batch #: 0304A707

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 01-April A 9906	During/ Liberty Street Entrance/ Outside Work Area	600	3643	14/100	<u>0.0019</u>
002 01-April A 9907	During/ Inside Clean Room of Decon/ Liberty Street Entrance	600	3643	15/100	<u>0.0020</u>
003 01-April A 9908	During/ Cedar Street Entrance/ Outside Work Area	600	3643	11/100	<u>0.0015</u>
004 01-April A 9909	During/ Cedar Street Entrance/ Inside Work Area	600	3643	11/100	<u>0.0015</u>
005 01-April A 9910	During/ Cedar Street Decon/ Inside the Clean Room	600	3643	9/100	<u>0.0012</u>
006 01-April A 9911	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

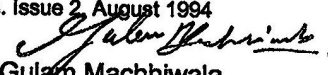
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 22, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

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New York City D.E.P.
 17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/1/2003
 Date Analyzed: 4/1/2003
 Batch #: 0304A707

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
007 01-April A 9912	FIELD BLANK				0/100

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

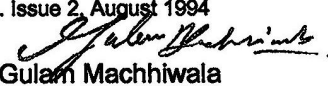
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 22, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306



Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.

Received: 4/1/2003 7:40:00 PM
ATC Group #: 9601
Analysis Date: 4/2/2003

Fax: (212) 420-6092 Phone: (212) 420-8119

Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA/MODIFIED AHERA)**

by EPA 40 CFR Part 765 Field Rule (1)										
Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ		Analytical Sensitivity (S/cc)	Total Asbestos Concentration (S/mm²) (S/cc)		Asbestos Concentration (S > 5µ/cc)
01 9601 -1	3643.00	0.2360	0	CHRYSTILE	1	0	0.0004	4.24	0.0004	< 0.0004
02 9601 -2	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
03 9601 -3	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
04 9601 -4	3643.00	0.2360	0	CHRYSTILE	2	0	0.0004	8.47	0.0009	< 0.0004
05 9601 -5	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004

ROMAN PEYSAKHOV

Analyzed by:

MILENA LOWD

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Wednesday, April 02, 2003

Page 1 of 1

LC ENVIRONMENTAL CONSULTANTS, INC.

0303A-70+

AIR SAMPLE LOG

ENT: NEPPROJECT NUMBER: 032749F: 114 LIBERTY, NY, NYPROJECT MANAGER: M. KhanTECHNICIAN: PHOEBE DOBISSIGNATURE: PhoebeDATE: 04/11/03SITE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

9601

PAGE 1 OF 1

SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
SAMPLE #	FIELD #	DURINCI: Liberty Street, entrance	0730	600	6	6	3643	14/100	0.0019
AB # 009906		outside work Area	1730						
SAMPLE #	FIELD #	DURINCI: inside clean room of decon, Liberty St. entrance	0732	600	6	6	3643	15/100	0.0020
AB # 009908			1732						
SAMPLE #	FIELD #	DURINCI: Cedar Str. entrance, outside work Area	0734	600	6	6	3643	11/100	0.0015
AB # 009908			1734						
SAMPLE #	FIELD #	DURINCI: Cedar Str. entrance, inside work Area	0736	600	6	6	3643	11/100	0.0015
AB # 009909			1736						
SAMPLE #	FIELD #	DURINCI: Cedar Str. decon, inside the clean Rm	0738	600	6	6	3643	9/100	0.0012
AB # 009910			1738						
SAMPLE #	FIELD #	FIELD BLANK						0/100	FB
AB # 009911								0/100	FB
SAMPLE #	FIELD #	FIELD BLANK						0/100	FB
AB # 009912								0/100	FB

TECHNICIAN'S LOG				RESULTS TO	
CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	NAME	TIME
☐ PCM (0.8 MICRON MCE)	ID# <u>HFR-105</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA		
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.012</u>	☐ 4 HRS ☐ 48 HRS	☒ DURING ☐ ENVIRON		
LOT #	CALIB. DATE <u>3/5/03</u>	☐ 8 HRS ☐ OTHER	☐ POST-ABATE ☐ AMBIENT		

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) <u>Phoebe Dobis</u>	(sign) <u>Phoebe</u>	<u>4.1.03</u>	<u>1805</u>
RECEIVED BY: (print) <u>Madell Collins</u>	(sign) <u>Madell Collins</u>	<u>4.1.03</u>	
RELINQUISHED BY: (print) <u>ATC Lab 181.1062001</u>	(sign) <u>ATC Lab 181.1062001</u>	<u>4.1.03</u>	<u>19.40</u>
RECEIVED BY: (print) <u>ATC Lab 181.1062001</u>	(sign) <u>ATC Lab 181.1062001</u>		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION			COMMENTS
LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	
<u>ACC MC</u>	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>MC</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE: <u>4/1/03</u> TIME: <u>16:13</u>	☐ TEM - EPA LEVEL II		
QC BY	DATE		

Air Samples Phase Contrast Microscopy (PCM) Results

Client Name : JLC Environmental Consultants, Inc.
Client No. : 16901
Project Name : 03-2744/DEP
Project No. : 16901-0001
Project Address: 114 Liberty Street, NY

Page : 1
ELAP No. : 10879
NVLAP No. : 1187
Microscope #: NYC0643
Method : NIOSH 7400/A Rules
Revision #3

Sample No.	Batch No.	Analyzed by	Sample Location		Type	Collect Date	Total Time Min.	Flow Rate L/min.	Total Volume Liters	Results F/c.c.
			Work Area	In/Out						
01	11507	KE	114 Liberty St, NY	ISWA	7th fl apt, N of apt.	4/01/03	360	10.00	3600	<0.0004
02	11507	KE	114 Liberty St, NY	ISWA	7th fl apt, S of apt.	4/01/03	360	10.00	3600	0.0004
03	11507	KE	114 Liberty St, NY	ISWA	7th fl apt, E of apt.	4/01/03	360	10.00	3600	0.0006
04	11507	KE	114 Liberty St, NY	ISWA	7th fl apt, W of apt.	4/01/03	360	10.00	3600	0.0005
05	11507	EE	114 Liberty St, NY	ISWA	7th fl apt, center of apt.	4/01/03	360	10.00	3600	0.0006
06	11507	EE	114 Liberty St, NY	ISWA	8th fl apt, N of apt.	4/01/03	360	10.00	3600	0.0006
07	11507	EE	114 Liberty St, NY	ISWA	8th fl apt, S of apt.	4/01/03	360	10.00	3600	0.0004
08	11507	EE	114 Liberty St, NY	ISWA	8th fl apt, E of apt.	4/01/03	360	10.00	3600	0.0006
09	11507	EE	114 Liberty St, NY	ISWA	8th fl apt, W of apt.	4/01/03	360	10.00	3600	0.0005
10	11507	EE	114 Liberty St, NY	ISWA	8th fl apt, center of apt.	4/01/03	360	10.00	3600	0.0004
11	11507	EE	114 Liberty St, NY	ISWA	9th fl apt, in room N of apt.	4/01/03	360	10.00	3600	0.0005
12	11507	KE	114 Liberty St, NY	ISWA	9th fl apt, S of apt.	4/01/03	360	10.00	3600	0.0004
13	11507	KE	114 Liberty St, NY	ISWA	9th fl apt, W of apt.	4/01/03	360	10.00	3600	0.0005
14	11507	KE	114 Liberty St, NY	ISWA	9th fl apt, E of apt.	4/01/03	360	10.00	3600	0.0004
15	11507	KE	114 Liberty St, NY	ISWA	9th fl apt, center of apt.	4/01/03	360	10.00	3600	0.0005
16	11507	KE	114 Liberty St, NY	ISWA	10th fl apt, N of apt.	4/01/03	360	10.00	3600	0.0004
17	11507	KE	114 Liberty St, NY	ISWA	10th fl apt, S of apt.	4/01/03	360	10.00	3600	0.0004
18	11507	EE	114 Liberty St, NY	ISWA	10th fl apt, E of apt.	4/01/03	360	10.00	3600	0.0004
19	11507	EE	114 Liberty St, NY	ISWA	10th fl apt, W of apt.	4/01/03	360	10.00	3600	0.0004
20	11507	EE	114 Liberty St, NY	ISWA	10th fl apt, center of apt.	4/01/03	360	10.00	3600	0.0004
21	11507	EE	114 Liberty St, NY	ISWA	5th fl apt, N of apt.	4/01/03	360	10.00	3600	0.0004
22	11507	KE	114 Liberty St, NY	ISWA	5th fl apt, S of apt.	4/01/03	360	10.00	3600	0.0005
23	11507	KE	114 Liberty St, NY	ISWA	5th fl apt, E of apt.	4/01/03	360	10.00	3600	0.0006
24	11507	KE	114 Liberty St, NY	ISWA	5th fl apt, W of apt.	4/01/03	360	10.00	3600	0.0004
25	11507	KE	114 Liberty St, NY	ISWA	5th fl apt, center of apt.	4/01/03	360	10.00	3600	0.0005
FB-1	11507	KE	114 Liberty St, NY	OSWA	Blank	4/01/03	0	0.00	0	0.0006
FB-2	11507	KE	114 Liberty St, NY	OSWA	Blank	4/01/03	0	0.00	0	0.0006
FB-3	11507	EE	114 Liberty St, NY	OSWA	Blank	4/01/03	0	0.00	0	0.0006

LEGEND

- ISWA - Inside Work Area
- OSWA - Outside Work Area
- Min. - Time in Minutes
- c.c. - Cubic Centimeter
- L - Liters
- F - Filtration
- VEL - Permissible Exposure Limit

**Results are in actual Fibers/c.c. or as limit of quantitation whichever is higher.
Note - Accidental errors for area sampling if 0.01 fibers/c.c.
For personal samples, PEL (OSHA) is 0.1 fibers/c.c.

Laboratory Director / Approved Signatory

[Signature]



ATC Associates

4 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306



Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.

Received: 4/2/03 2:00:00 AM
ATC Group #: 9600
Analysis Date: 4/2/03

Fax: (212) 420-6092 Phone: (212) 420-8119
Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA/MODIFIED AHERA)**

Sample	Volum	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Total Asbestos Concentration (S/mm²) (S/cc)	Asbestos Concentration (S > 5µ/cc)
1 9600 -1	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004
2 9600 -2	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004
3 9600 -3	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004
4 9600 -4	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004
5 9600 -5	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004
6 9600 -6	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004
7 9600 -7	3643.00	0.2360	0	None Detected	0	0.0004	<4.24 <0.0004	< 0.0004

ROMAN PEYSAKHOV

Analyzed by:

MILENA LOWD

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Page 1 of 3

Wednesday, April 02, 2003

Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.

Received: 4/2/03 2:00:00 AM
ATC Group #: 9600
Analysis Date: 4/2/03

Fax: (212) 420-6092 Phone: (212) 420-8119

Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA/MODIFIED AHERA)**

by EPA 40 CFR Part 136.1 (1-1-79)										
Sample	Volum	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Total Asbestos Concentration (S/mm ²)	Asbestos Concentration (S/cc)	Asbestos Concentration (S > 5µ/cc)	
8 9600 -8	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
9 9600 -9	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
10 9600 -10	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
11 9600 -11	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
12 9600 -12	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
13 9600 -13	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
14 9600 -14	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
15 9600 -15	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
16 9600 -16	3643.00	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004

ROMAN PEYSAKHOV

Analyzed by: 

MILENA LOWD

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.

Received: 4/2/03 2:00:00 AM
ATC Group #: 9600
Analysis Date: 4/2/03

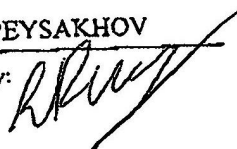
Fax: (212) 420-6092 Phone: (212) 420-8119

Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA/MODIFIED AHERA)**

Sample	Volum	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Total Asbestos Concentration (S/mm²)	Asbestos Concentration (S > 5µ/cc)
17 9600 -17	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
18 9600 -18	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
19 9600 -19	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
20 9600 -20	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
21 9600 -21	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
22 9600 -22	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
23 9600 -23	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
24 9600 -24	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004
25 9600 -25	3643.00	0.2360	0	None Detected	0	0.0004	<4.24	<0.0004

ROMAN PEYSAKHOV

Analyzed by: 

MILENA LOWD

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Wednesday, April 02, 2003

ILC ENVIRONMENTAL CONSULTANTS, INC.

11006 AIR SAMPLE LOG

CLIENT: DEP. PROJECT NUMBER: 03-2744

114 Liberty St N.Y. N.Y. PROJECT MANAGER: KHAN

TECHNICIAN: Michael Atteberry SIGNATURE: [Signature] DATE: 4/1/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

9600 Post PAGE 1 OF 5

YELLOW COPY = LABORATORY

7000 F031

SAMPLE INFORMATION										
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (l/cc)	
			start/ end	min	start/ end	l/m				
SAMPLE #	FIELD #									
LAB #		7th Floor Apt	1530	360	10	10	3643	2	<.001	
PUMP #		North of the Apt	2130		10	10		100		
SAMPLE #	FIELD #									
LAB #		South of the Apt	1532	360	10	10	3643	3	<.001	
PUMP #			2132		10	10		100		
SAMPLE #	FIELD #									
LAB #		East of the Apt	1534	360	10	10	3643	5	<.001	
PUMP #			2134		10	10		100		
SAMPLE #	FIELD #									
LAB #		West of the Apt	1536	360	10	10	3643	4	<.001	
PUMP #			2136		10	10		100		
SAMPLE #	FIELD #									
LAB #		Center of the Apt	1538	360	10	10	3643	6	<.001	
PUMP #			2138		10	10		100		
SAMPLE #	FIELD #	FIELD BLANK						0	FB	
LAB #								100		
SAMPLE #	FIELD #	FIELD BLANK						0	FB	
LAB #								100		

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HEF 105</u>	☒ 2 HRS ☐ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.012</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PGR#() _____
LOT # _____	CALIB. DATE <u>3/5/03</u>	☐ 6 HRS ☐ OTHER _____	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME : _____

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Michael Atteberry</u>	<u>[Signature]</u>	<u>4/1/03</u>	<u>0200</u>
RECEIVED BY: (print)	(sign)	<u>4/2/03</u>	<u>0200</u>
<u>G. Edwards</u>	<u>[Signature]</u>		
RELINQUISHED BY: (print)	(sign)		
	(sign)		
RECEIVED BY: (print)	(sign)		
	(sign)		
ENTERED BY: (print)	(sign)		
	(sign)		
CORRECTED BY: (print)	(sign)		
	(sign)		

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
<u>ATC-TECH</u>	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>[Signature]</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE: <u>4/12/03</u> TIME: <u>10:25</u>	☐ TEM - EPA LEVEL II		
QC BY: _____ DATE: _____			

ILC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: DEP PROJECT NUMBER: 03-2744

11501

114 Liberty St. N.Y. N.Y. PROJECT MANAGER: YMan

TECHNICIAN: Michael Atteberry SIGNATURE: [Signature] DATE: 4/1/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

9600 Post

PAGE 2 OF 5

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)	
		start/end	min	start/end	l/m				
SAMPLE # <u>6</u> FIELD #	<u>8th Floor Apt</u>	<u>1545</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>5</u>	<u>2001</u>	
LAB #		<u>2145</u>		<u>10</u>					
PUMP #									
SAMPLE # <u>7</u> FIELD #	<u>South of the Apt</u>	<u>1549</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>3</u>	<u>2001</u>	
LAB #		<u>2147</u>		<u>10</u>					
PUMP #									
SAMPLE # <u>8</u> FIELD #	<u>East of the Apt</u>	<u>1549</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>6</u>	<u>2001</u>	
LAB #		<u>2149</u>		<u>10</u>					
PUMP #									
SAMPLE # <u>9</u> FIELD #	<u>West of the Apt</u>	<u>1531</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>4</u>	<u>2001</u>	
LAB #		<u>2151</u>		<u>10</u>					
PUMP #									
SAMPLE # <u>10</u> FIELD #	<u>Center of the Apt</u>	<u>1533</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>3</u>	<u>2001</u>	
LAB #		<u>2153</u>		<u>10</u>					
PUMP #									
SAMPLE # FIELD #	FIELD BLANK						<u>0</u>	FB	
LAB #									
PUMP #									
SAMPLE # FIELD #	FIELD BLANK						<u>0</u>	FB	
LAB #									
PUMP #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO	
☐ PCM (0.8 MICRON MCE)	ID# <u>HFY 105</u>	☒ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME	
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.012</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#()	
LOT #	CALIB. DATE <u>3/5/03</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE / / TIME	

CHAIN OF CUSTODY

RELINQUISHED BY: (print) <u>Michael Atteberry</u>	(sign) <u>[Signature]</u>	<u>4/2/03</u>	<u>0200</u>
RECEIVED BY: (print) <u>E. Edwards</u>	(sign) <u>[Signature]</u>	<u>4/2/03</u>	<u>0200</u>
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print)	(sign)		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
LAB NAME: <u>ATC</u>	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>[Signature]</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE <u>4/2/03</u> TIME: <u>0500</u>	☐ TEM - EPA LEVEL II		
QC BY: DATE:			

LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: DEP PROJECT NUMBER: 03-2744

TE: 114 LIBERTY ST. NY, NY PROJECT MANAGER: M. Khan

TECHNICIAN: Michael Affeberry SIGNATURE: [Signature] DATE: 4/1/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

9600 POST

PAGE 3 OF 5

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION		TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/min			
SAMPLE # <u>11</u>	FIELD #	<u>9TH FLOOR</u> <u>In the Room</u> <u>North of the</u> <u>apt</u>	<u>1600</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>3</u> <u>100</u>	<u>L-001</u>
LAB #			<u>2200</u>		<u>10</u>				
PUMP #									
SAMPLE # <u>12</u>	FIELD #	<u>South of the</u> <u>Apt.</u>	<u>1602</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>5</u> <u>100</u>	<u>L-001</u>
LAB #			<u>2202</u>		<u>10</u>				
PUMP #									
SAMPLE # <u>13</u>	FIELD #	<u>West of the</u> <u>Apt.</u>	<u>1604</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>2</u> <u>100</u>	<u>L-001</u>
LAB #			<u>2204</u>		<u>10</u>				
PUMP #									
SAMPLE # <u>14</u>	FIELD #	<u>East of the</u> <u>Apt.</u>	<u>1606</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>4</u> <u>100</u>	<u>L-001</u>
LAB #			<u>2206</u>		<u>10</u>				
PUMP #									
SAMPLE # <u>15</u>	FIELD #	<u>Center of</u> <u>the Apt.</u>	<u>1608</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>4</u> <u>100</u>	<u>L-001</u>
LAB #			<u>2208</u>		<u>10</u>				
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									FB
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HER 105</u>	☒ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>10102</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#() _____
LOT # _____	CALIB. DATE <u>3/5/02</u>	☐ 6 HRS ☐ OTHER _____	☒ POST-ABATE	☐ AMBIENT	DATE / / TIME _____

CHAIN OF CUSTODY

RELINQUISHED BY: (print) <u>Michael Affeberry</u>	(sign) <u>[Signature]</u>	DATE <u>4/1/03</u>	TIME <u>0200</u>
RECEIVED BY: (print) <u>E. Edwards</u>	(sign) <u>[Signature]</u>	DATE <u>4/2/03</u>	TIME <u>1200</u>
RELINQUISHED BY: (print) _____	(sign) _____	DATE _____	TIME _____
RECEIVED BY: (print) _____	(sign) _____	DATE _____	TIME _____
ENTERED BY: (print) _____	(sign) _____	DATE _____	TIME _____
CORRECTED BY: (print) _____	(sign) _____	DATE _____	TIME _____

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
LAB NAME: <u>ATC</u>	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>E. Edwards</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE <u>4/12/03</u> TIME <u>0500</u>	☐ TEM - EPA LEVEL II		
QC BY: _____	DATE _____		

LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

IDENT: DEP PROJECT NUMBER: 03-2744

TE: 114 LIBERTY, NY, NY PROJECT MANAGER: M. Kish

TECHNICIAN: Michael A Heberly SIGNATURE: M. Kish DATE: 4/1/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

9600 POST

PAGE 4 OF 5

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION		TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/m			
SAMPLE # LAB # PUMP #	10TH FLOOR North of the Apt		1615 2215	360	10 10	10	3643	3 100	L-001
SAMPLE # LAB # PUMP #	South of the Apt		1617 2217	360	10 10	10	3643	4 100	L-001
SAMPLE # LAB # PUMP #	West of the Apt		1619 2219	360	10 10	10	3643	2 100	L-001
SAMPLE # LAB # PUMP #	East of the Apt		1621 2221	360	10 10	10	3643	3 100	L-001
SAMPLE # LAB # PUMP #	Center of the Apt		1623 2223	360	10 10	10	3643	4 100	L-001
SAMPLE # LAB # PUMP #	FIELD BLANK								FB
SAMPLE # LAB # PUMP #	FIELD BLANK								FB

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>102105</u>	☒ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>10102</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#() _____
LOT # _____	CALIB. DATE <u>3/5/03</u>	☐ 8 HRS ☐ OTHER _____	☒ POST-ABATE	☐ AMBIENT	DATE / / TIME _____

CHAIN OF CUSTODY

RELINQUISHED BY: (print) <u>Michael A Heberly</u>	(sign) <u>M. Kish</u>	DATE <u>4/1/03</u>	TIME <u>0200</u>
RECEIVED BY: (print) <u>R. Edwards</u>	(sign) <u>R. Edwards</u>	DATE <u>4/2/03</u>	TIME <u>0200</u>
RELINQUISHED BY: (print) _____	(sign) _____	DATE / /	TIME / /
RECEIVED BY: (print) _____	(sign) _____	DATE / /	TIME / /
ENTERED BY: (print) _____	(sign) _____	DATE / /	TIME / /
CORRECTED BY: (print) _____	(sign) _____	DATE / /	TIME / /

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
LAB NAME: <u>ATC</u>	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>S. Edwards</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C002	
DATE: <u>4/1/03</u> TIME: <u>0500</u>	☐ TEM - EPA LEVEL II		
QC BY: _____ DATE: _____			

JLC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: DEY PROJECT NUMBER: 03-2794
 PROJECT MANAGER: Khan
 ADDRESS: 114 Liberty St New York DATE: 4.1.03
 TECHNICIAN: Michael Atteberry SIGNATURE: M. Atteberry PAGE 5 OF 5
 WHITE COPY = PROJECT MANAGER
 YELLOW COPY = LABORATORY

9600 Post

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION		TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/min			
SAMPLE # <u>21</u>	FIELD #	<u>5th Floor Apt</u>	<u>1735</u>		<u>10</u>	<u>10</u>	<u>3643</u>	<u>4</u>	<u><100</u>
LAB #			<u>2435</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>100</u>	
PUMP #									
SAMPLE # <u>22</u>	FIELD #	<u>South of the Apt</u>	<u>1735</u>		<u>10</u>	<u>10</u>	<u>3643</u>	<u>5</u>	<u><100</u>
LAB #			<u>2437</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>100</u>	
PUMP #									
SAMPLE # <u>23</u>	FIELD #	<u>East of the Apt</u>	<u>1739</u>		<u>10</u>	<u>10</u>	<u>3643</u>	<u>3</u>	<u><100</u>
LAB #			<u>2439</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>100</u>	
PUMP #									
SAMPLE # <u>24</u>	FIELD #	<u>West of the Apt</u>	<u>1741</u>		<u>10</u>	<u>10</u>	<u>3643</u>	<u>4</u>	<u><100</u>
LAB #			<u>2441</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>100</u>	
PUMP #									
SAMPLE # <u>25</u>	FIELD #	<u>Center of the Apt</u>	<u>1743</u>		<u>10</u>	<u>10</u>	<u>3643</u>	<u>5</u>	<u><100</u>
LAB #			<u>2443</u>	<u>360</u>	<u>10</u>	<u>10</u>	<u>3643</u>	<u>100</u>	
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
PUMP #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HFT 105</u>	☒ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.012</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#()
LOT #	CALIB. DATE <u>3.0.03</u>	☐ 6 HRS ☐ OTHER	☒ POST-ABATE	☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print) <u>Michael Atteberry</u>	(sign) <u>M. Atteberry</u>	DATE <u>4.1.03</u>	TIME <u>0200</u>
RECEIVED BY: (print) <u>E. Edwards</u>	(sign) <u>E. Edwards</u>	DATE <u>4.1.03</u>	TIME <u>0200</u>
RELINQUISHED BY: (print)	(sign)	DATE	TIME
RECEIVED BY: (print)	(sign)	DATE	TIME
ENTERED BY: (print)	(sign)	DATE	TIME
CORRECTED BY: (print)	(sign)	DATE	TIME

LAB INFORMATION

LAB NAME	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
LAB NAME: <u>ATC</u>	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>E. Edwards</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
DATE: <u>4.1.03</u> TIME: <u>0800</u>	☐ TEM - EPA LEVEL II		
QC BY:	DATE:		

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/3/2003
 Date Analyzed: 4/3/2003
 Batch #: 0304A718

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 02-April A 10110	During/ Outside Work Area/ Cedar Street/ Sidewalk at Dock Entrance	600	604.8	1/100	<u>0.0008<LOD</u>
002 02-April A 10111	During/ Outside Work Area/ Clean Room of Personnel Decon	600	604.8	2/100	<u>0.0016<LOD</u>
003 02-April A 10112	During/ Outside Work Area/ Inside Restaurant Near Dock Entrance	600	604.8	2/100	<u>0.0016<LOD</u>
004 02-April A 10113	During/ Outside Work Area/ Inside Stairwell to Basement	600	604.8	3/100	<u>0.0024<LOD</u>
005 02-April A 10114	During/ Outside Work Area/ Liberty Street Side/ Walk at 114 Entrance	600	604.8	2/100	<u>0.0016<LOD</u>
006 02-April A 10115	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 9, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

JLC ENVIRONMENTAL CONSULTANTS, INC.
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Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
59-17 Junction Blvd.
Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.: 03-2744
Analyte: FIBERS
Date Received: 4/3/2003
Date Analyzed: 4/3/2003
Batch #: 0304A718

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
02-April					
A 10116					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

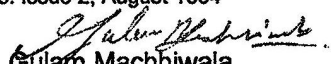
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
VOID1 = H.C.P. (High Concentration of Particles)
VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
Laboratory Director

Report Date: April 9, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306

Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.Received: 4/3/03 10:50:00 AM
ATC Group #: 9610
Analysis Date: 4/3/03

Fax: (212) 420-6092 Phone: (212) 420-8119

Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA/MODIFIED AHERA)**

Sample	Volum	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Total Asbestos Concentration (S/mm ²)	(S/cc)	Asbestos Concentration (S > 5µ/cc)	
01 9610 -1	3600.00	0.2473	0	None Detected	0	0	0.0004	<4.04	<0.0004	< 0.0004
02 9610 -2	3600.00	0.2473	0	None Detected	0	0	0.0004	<4.04	<0.0004	< 0.0004
03 9610 -3	3600.00	0.2473	0	None Detected	0	0	0.0004	<4.04	<0.0004	< 0.0004
04 9610 -4	3600.00	0.2473	0	None Detected	0	0	0.0004	<4.04	<0.0004	< 0.0004
05 9610 -5	3600.00	0.2473	0	None Detected	0	0	0.0004	<4.04	<0.0004	< 0.0004

ROMAN PEYSAKHOV

Analyzed by:

MILENA LOWD

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLW/TEM #101187-0, NY State ELAP #10879

Thursday, April 03, 2003

Page 1 of 1

ILC ENVIRONMENTAL CONSULTANTS, INC.

0304A-718

AIR SAMPLE LOG

CLIENT: NYC DEP

PROJECT NUMBER: 03-2744-

114 LIBERTY STREET, MANHATTAN

PROJECT MANAGER: M. N. KHAN

TECHNICIAN: K. B. KWENDE

SIGNATURE:

DATE 04/02/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

114 LIBERTY STREET

9610

PAGE 01 OF 01

SAMPLE INFORMATION

SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
01		DURING/114 LIBERTY STREET	08:00	600	06			1	0.0008
LAB #		DWA/ CEDAR STREET	08:00	600	06	06	604.8	100	< LOD
PUMP #	010110	SIDEWALK AT DOCK ENTRANCE	18:00	600	06	06	604.8	100	< LOD
02		DURING/114 LIBERTY STREET	08:01	600	06			2	0.0016
LAB #		DWA/ CLEAN ROOM OF	08:01	600	06	06	604.8	100	< LOD
PUMP #	010111	PERSONNEL DECON	18:01	600	06	06	604.8	100	< LOD
03		DURING/114 LIBERTY STREET	08:02	600	06			2	0.0016
LAB #		DWA/ INSIDE RESTAURANT	08:02	600	06	06	604.8	100	< LOD
PUMP #	010112	NEAR DOCK ENTRANCE	18:02	600	06	06	604.8	100	< LOD
04		DURING/114 LIBERTY STREET	08:03	600	06			3	0.0024
LAB #		DWA/ INSIDE STAIRWELL	08:03	600	06	06	604.8	100	< LOD
PUMP #	010113	TO BASEMENT	18:03	600	06	06	604.8	100	< LOD
05		DURING/114 LIBERTY STREET	08:04	600	06			2	0.0016
LAB #		DWA/ LIBERTY STREET SIDE	08:04	600	06	06	604.8	100	< LOD
PUMP #	010114	WALK AT 114 ENTRANCE	18:04	600	06	06	604.8	100	< LOD
06		FIELD BLANK						0	FB
LAB #								100	
07		FIELD BLANK						0	FB
LAB #								100	
08									
LAB #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR-103	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME PENNY
☒ TEM (0.45 MICRON MCE)	C.F. 1.008	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGR# (718) 595-3741
LOT #	CALIB. DATE 01/19/03	☐ 6 HRS ☐ OTHER 10	☐ POST-ABATE	☐ AMBIENT	DATE 1/1 TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
K. B. KWENDE	[Signature]	04/02/03	18:40
RECEIVED BY: (print) TM	(sign) TM	4/3/03	
RELINQUISHED BY: (print)	(sign)	1/1	
RECEIVED BY: (print) DE VERA LOB	(sign) [Signature]	4/03/03	10:50
ENTERED BY: (print)	(sign)	1/1	
CORRECTED BY: (print)	(sign)	1/1	

LAB INFORMATION

LAB NAME: ILC	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: TM	☐ PCM - NIOSH 7400 A	☐ OLYMPUS BH2/204104	
DATE: 4/03/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/4/2003
 Date Analyzed: 4/4/2003
 Batch #: 0304A729

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 03-April A 10299	Pizzeria on Liberty Street/ Outside Work Area	600	3650.4	15/100	<u>0.0020</u>
002 03-April A 10300	Miami Sub on Liberty Street/ Outside Work Area	600	3650.4	4/100	<u>0.0005</u>
003 03-April A 10301	Next to the Decon on Liberty Street/ Outside Work Area	600	3650.4	5/100	<u>0.0007</u>
004 03-April A 10302	Decon on Cedar Street	600	3650.4	17/100	<u>0.0023</u>
005 03-April A 10303	Entrance into the Work Area on Cedar Street	600	3650.4	6/100	<u>0.0008</u>
006 03-April A 10304	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 11, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/4/2003
 Date Analyzed: 4/4/2003
 Batch #: 0304A729

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
03-April					
A 10305					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

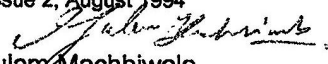
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 11, 2003

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ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306



Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.

Received: 4/4/03 12:30:00 PM
ATC Group #: 9620
Analysis Date: 4/4/03

Fax: (212) 420-6092 Phone: (212) 420-8119

Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA/MODIFIED AHERA)**

Sample	Volum	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5μ-5 μ		Analytical Sensitivity (S/cc)	Total Asbestos Concentration (S/mm²) (S/cc)		Asbestos Concentration (S > 5μ/cc)
01 9620 -1	3650.40	0.2360	0	AMOSITE	0	1	0.0004	4.24	0.0004	0.0004
02 9620 -2	3650.40	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004
03 9620 -3	3650.40	0.2360	0	AMOSITE	0	1	0.0004	4.24	0.0004	0.0004
04 9620 -4	3650.40	0.2360	0	CHRYSTOTILE	1	0	0.0004	4.24	0.0004	< 0.0004
05 9620 -5	3650.40	0.2360	0	None Detected	0	0	0.0004	<4.24	<0.0004	< 0.0004

ROMAN PEYSAKHOV

Analyzed by:

MILENA LOWD

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Friday, April 04, 2003

Page 1 of 1

APR-22-2003 13:55

JULIUS

PROJECT NUMBER: 013-27441-111

SITE: 114 LIBERTY ST. N.Y.

PROJECT MANAGER: M.N. KHAN

TECHNICIAN: JULIUS OZEMENA SIGNATURE: JULIUS

DATE: 04/03/03

WHITE COPY - PROJECT MANAGER

YELLOW COPY - LABORATORY

9620

PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)	
		start/end	min	start/end	l/min				
SAMPLE # FIELD # LAB # 01 PUMP # 010299	PIZZERIA ON LIBERTY Street, OWA.	0720 1720	600	06 06	06	3650.4	15 100	0.0020	
SAMPLE # FIELD # LAB # 02 PUMP # 010300	Miami Sub on Liberty Street, OWA.	0722 1722	600	06 06	06	3650.4	4 100	0.0005	
SAMPLE # FIELD # LAB # 03 PUMP # 010301	Next to the decon on Liberty Street, OWA.	0724 1724	600	06 06	06	3650.4	5 100	0.0007	
SAMPLE # FIELD # LAB # 04 PUMP # 010302	Decon on Cedar's Street.	0726 1726	600	06 06	06	3650.4	17 100	0.0023	
SAMPLE # FIELD # LAB # 05 PUMP # 010303	Entrance into the world area @ Cedar's Street.	0727 1727	600	06 06	06	3650.4	6 100	0.0008	
SAMPLE # FIELD # LAB # 06 PUMP # 010304	FIELD BLANK						0 100	FB	
SAMPLE # FIELD # LAB # 07 PUMP # 010305	FIELD BLANK						0 100	FB	

TECHNICIAN'S LOG					
CASSETTE	ROTOMETER	TURNAROUND TIME		TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# HFR 112	☐ 2 HRS	☐ 24 HRS	☐ PRE-ABATE	☐ OSHA
☒ TEM (0.45 MICRON MCE)	C.P. 1-0111	☐ 4 HRS	☐ 48 HRS	☒ DURING	☐ ENVIRON
LOT #	CALIB DATE 1/6/03	☐ 6 HRS	☒ OTHER (0.1H)	☐ POST-ABATE	☐ AMBIENT
					NAME
					PH/PRG#
					DATE / / TIME

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) JULIUS OZEMENA	(sign) JULIUS	04/03/03	1800
RECEIVED BY: (print) TM	(sign) TM	4/4/03	
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print) A.T.C. J. Daniels	(sign) J.A.	4/4/03	12:30pm
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION			
LAB NAME: ZCC	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: TM	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: 4/4/03 TIME:	☐ TEM - AHERA	☐ OLYMPUS CHS7C0021	
QC BY: DATE	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
 Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/4/2003
 Date Analyzed: 4/4/2003
 Batch #: 0304A743

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
001 04-April A 10476	Liberty Side in Front of Entrance to Pizzeria	600	3643	6/100	<u>0.0008</u>
002 04-April A 10477	Liberty Side Entrance to Restaurant	600	3643	5/100	<u>0.0007</u>
003 04-April A 10478	Liberty Side Next to Decon	600	3643	6/100	<u>0.0008</u>
004 04-April A 10479	Cedar Side Entrance	600	3643	7/100	<u>0.0009</u>
005 04-April A 10480	Cedar Side Decon in Clean Room	600	3643	4/100	<u>0.0005</u>
006 04-April A 10481	FIELD BLANK			0/100	

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

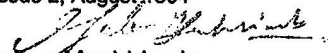
<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


 Gulam Machhiwala
 Laboratory Director

Report Date: April 11, 2003

JLC is responsible for only the fiber counts within the limitations of the method described as NIOSH 7400. Among other limitations, this method gives only an index of airborne fibers and provides only an estimate of asbestos concentration. Any and all claims arising out of JLC's analysis of these samples are limited in recovery to the cost of analyzing samples. JLC accepts no other liability and the client agrees to seek no costs beyond the above.

JLC ENVIRONMENTAL CONSULTANTS, INC.
 200 Park Avenue South, Suite 1001, New York, New York 10003
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New York City D.E.P.
 59-17 Junction Blvd.
 Flushing, NY 11373

ELAP Lab Code: 11029
 NIOSH and AIHA Lab Code: 100273
 NVLAP Lab Code: 101953

Project No.: 03-2744
 Analyte: FIBERS
 Date Received: 4/4/2003
 Date Analyzed: 4/4/2003
 Batch #: 0304A743

SUMMARY OF ANALYTICAL RESULTS - PCM

Site: 114 Liberty Street, New York, NY

SAMPLE #	DESCRIPTION / LOCATION	TIME(min)	VOLUME(L)	FIB/FIELD	RESULTS(f/cc)
COLLECTED					
LAB #					
007	FIELD BLANK			0/100	
04-April					
A 10482					

Sample Analysis by:

Positive Phase Contrast Microscopy (PCM)

<LOD = Less than limit of detection which is 5.5 Fibers/ 100 Fields
 VOID1 = H.C.P. (High Concentration of Particles)
 VOID2 = Overloaded

Method of Sample Preparation and Analysis:

All samples analyzed in accordance with the NIOSH 7400 Method using "A" Counting Rules. Issue 2, August 1994

Instrumentation:

Olympus PCM Model BH-2 with Walton-Beckett Graticule (100um field diameter).


Gulam Machhiwala
 Laboratory Director

Report Date: April 11, 2003

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ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306



Attn: Mr. Andrew Gasparro
JLC Environmental Consultants, INC.

Received: 4/4/03 7:30:00 PM
ATC Group #: 9625
Analysis Date: 4/7/03

Fax: (212) 420-6092 Phone: (212) 420-8119

Project: DEP Project #: 03-2744
114 Liberty Street, New York, NY

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volum	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³)	(S/cc)	Notes
010476 9625 -1	3643.00	0.2473	0	AMOSITE CHRYSTILE	2 0	1 1	0.0004	16.18 0.0017	
010477 9625 -2	3643.00	0.2473	0	AMOSITE	0	1	0.0004	4.04 0.0004	
010478 9625 -3	3643.00	0.2473	0	None Detected	0	0	0.0004	<4.04 <0.0004	
010479 9625 -4	3643.00	0.2473	0	None Detected	0	0	0.0004	<4.04 <0.0004	
010480 9625 -5	3643.00	0.2473	0	None Detected	0	0	0.0004	<4.04 <0.0004	

MARK PEYSAKHOV

Analyzed by:

MILENA LOWD.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm³. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Monday, April 07, 2003

Page 1 of 1

APR-22-2003 13:54

P.05/11

AGENT: D E P PROJECT NUMBER: 03-2747

IE: 114 Liberty St N.Y. City PROJECT MANAGER: Khan

TECHNICIAN: Michael A. Hebert SIGNATURE: M. Hebert DATE: 4/4/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

9025 TEM/24HRS PAGE 1 OF 1

SAMPLE INFORMATION								
SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD
			start/end	min	start/end	l/min		
SAMPLE #	FIELD #	Liberty side	0730	600	6	6	3643	6
LAB #	010476	in front of entrance to Pizzeria	0730	600	6	6	3643	6/100
PUMP #								0.0008
SAMPLE #	FIELD #	Liberty side	0733	600	6	6	3643	5
LAB #	010477	entrance to restaurant	0733	600	6	6	3643	5/100
PUMP #								0.0007
SAMPLE #	FIELD #	Liberty side	0734	600	6	6	3643	6
LAB #	010478	next to door	0734	600	6	6	3643	6/100
PUMP #								0.0008
SAMPLE #	FIELD #	ceiling side	0736	600	6	6	3643	7
LAB #	010479	entrance	0736	600	6	6	3643	7/100
PUMP #								0.0009
SAMPLE #	FIELD #	ceiling side	0738	600	6	6	3643	4
LAB #	010480	door in clean room	0738	600	6	6	3643	4/100
PUMP #								0.0005
SAMPLE #	FIELD #	FIELD BLANK						0
LAB #	010481							0/100
PUMP #								FB
SAMPLE #	FIELD #	FIELD BLANK						0
LAB #	010482							0/100
PUMP #								FB

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.6 MICRON MCC)	ID# <u>HR 105</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ADATE ☐ OGIA	NAME _____
☐ TEM (0.45 MICRON MCE)	CF. <u>1.012</u>	☐ 4 HRS ☐ 48 HRS	☒ DURKIN ☐ ENVIRON	PH/PCR# () _____
LOT # _____	CALIB. DATE <u>5/02</u>	☐ 0 HRS ☐ OTHER _____	☐ POST-ADATE ☐ AMBIENT	DATE / / TIME _____

CHAIN OF CUSTODY		DATE	TIME
RELINQUISHED BY: (print) <u>Michael A. Hebert</u>	(sign) <u>M. Hebert</u>	<u>4/4/03</u>	<u>1800</u>
RECEIVED BY: (print) <u>Michael A. Hebert</u>	(sign) <u>M. Hebert</u>	<u>4/4/03</u>	<u>1800</u>
RELINQUISHED BY: (print) <u>Michael A. Hebert</u>	(sign) <u>M. Hebert</u>	<u>4/4/03</u>	<u>1800</u>
RECEIVED BY: (print) <u>Michael A. Hebert</u>	(sign) <u>M. Hebert</u>	<u>4/4/03</u>	<u>1800</u>
ENTERED BY: (print) _____	(sign) _____	_____	_____
CORRECTED BY: (print) _____	(sign) _____	_____	_____

LAB INFORMATION			
LAB NAME: _____	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
ANALYZED BY: <u>Michael A. Hebert</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: <u>4/4/03</u> TIME: _____	☐ TEM - AMERS	☐ OLYMPUS CH37C/0021	
QC BY: _____ DATE: _____	☐ TEM - EPA LEVEL II		

JLC ENVIRONMENTAL CONSULTANTS, INC.**DAILY CONSTRUCTION REPORT**

CLIENT: NYC DEP PROJECT NUMBER: 03-2744-

SITE: 114 Liberty St., Manhattan PROJECT MANAGER: M.N. Khan

TECHNICIAN: Peter Kostovskiy SIGNATURE: Peter Kostovskiy DATE: 9/15/03

CONTRACTOR: ETS. PHASE NUMBER:

CONSTRUCTION ACTIVITIES - NARRATIVE DESCRIPTION OF ACTIVITIES

(Enter times in and out of the work area and time of observation in applicable column)

TIME IN	TIME OUT	
645		I arrived on site. Maria, ETS supervisor is on site with his crew of 11 handlers.
700		Workers are entering work area. Today the workers will remove poly from furniture in apartments and clean all furniture. All non wipeable furniture will be wrapped in poly. (Any cloth, wicker, etc.)
800		Workers are on the 10th & 11th floors cleaning.
900		Penny from DEP is on site. She inquired as to why only cleaning of furniture is being done as opposed to full breakdown. Maria said these were his instructions as of 9:00pm last night.
1000		New the workers will do <u>breakdown</u> on the on as many floors as possible today.
1100		Workers are exiting work area for lunch.
1130		Workers are through with lunch and returning to work area. Penny leaves site.
1230		Workers continue breakdown on upper floors and cleaning and are moving equipment out of work area onto truck.
1430		Jerry TSS from JLC is onsite to pick up some equipment.
1510		Jerry TSS leaves site.
530		Workers exit work area for end of shift. They will finish breakdown of all areas tomorrow. Leaving site - end of shift.

JLC Environmental Consultants, Inc.

CONTRACTOR WORKERS LOG

WORK AREA:

1. PROJECT NO.: 03-2744	2. CLIENT: NYC DEP	3. PROJECT SITE: 114 Liberty St, Manhattan
5. DATE: 4/5/03	6. CONTRACTOR: ETS	7. ENV. TECHNICIAN: Peter Koslosky

NAME	TITLE	CERTIFICATE & LICENSE NUMBERS (NYS & NYC)	LICENSE EXPIRATION DATE	SOCIAL SECURITY NO.	TYPE OF RESP.
1. Marian Jawien	(S) H	NYS AH-92-10389	5/03	077-80-4607	(1) 2 3 4 5
		NYC 89021	5/19/04		
2. Jairo Benders	(S) H	NYS AH-00-00645	4/03	066-80-7522	(1) 2 3 4 5
		NYC 88641	4/16/04		
3. Carlos Reyes	(S) H	NYS AH-92-09862	10/03	102-86-1106	(1) 2 3 4 5
		NYC 90773	10/30/04		
4. Edgar Mendez	(S) H	NYS AH-01-00824	7/03	024-36-5291	(1) 2 3 4 5
		NYC 83529	7/9/03		
5. Alex Mendez	(S) H	NYS AH-95-03934	12/03	675-21-0921	(1) 2 3 4 5
		NYC 87870	12/27/03		
6. Diego L. Luna	(S) H	NYS AH-00-04745	8/03	116-90-8794	(1) 2 3 4 5
		NYC 90122	8/4/04		
7. Juan Zumba	(S) H	NYS AH-92-19036	10/03	121-74-9247	(1) 2 3 4 5
		NYC 86225	10/4/03		
8. Miguel Pacheco	(S) H	NYS AH-00-00914	11/03	117-89-5643	(1) 2 3 4 5
		NYC 90914	11/16/04		
9. Serzy Chotominski	(S) H	NYS AH-90-00339	12/03	090-84-1431	(1) 2 3 4 5
		NYC 86922	12/16/03		
10. Igor Kosturik	(S) H	NYS AH-99-05311	2/04	401-53-3526	(1) 2 3 4 5
		NYC 87739	2/17/04		

Key:

1. Half Face Respirator
2. Full Face Respirator
3. PAPR
4. Type "C" Respirator
5. Type C Supplied Air

Notes:

JLC Environmental Consultants, Inc.

CONTRACTOR WORKERS LOG

1. PROJECT NO.:	2. CLIENT:	3. PROJECT SITE:	WORK AREA:
5. DATE:	6. CONTRACTOR:	7. ENV. TECHNICIAN:	

	NAME	TITLE	CERTIFICATE & LICENSE NUMBERS (NYS & NYC)	LICENSE EXPIRATION DATE	SOCIAL SECURITY NO.	TYPE OF RESP.
1.	Ondrej Kiz	S	NYS AH-01-04136	9/03	124-07-3457	0 2 3 4 5
		(H)	NYC 84178	9/17/03		
2.	Roman Bednarczyk	S	NYS AM-92-20510	8/03	057-74-2685	0 2 3 4 5
		(H)	NYC 89707	8/15/04		
3.		S	NYS			1 2 3 4 5
		H	NYC			
4.		S	NYS			1 2 3 4 5
		H	NYC			
5.		S	NYS			1 2 3 4 5
		H	NYC			
6.		S	NYS			1 2 3 4 5
		H	NYC			
7.		S	NYS			1 2 3 4 5
		H	NYC			
8.		S	NYS			1 2 3 4 5
		H	NYC			
9.		S	NYS			1 2 3 4 5
		H	NYC			
10.		S	NYS			1 2 3 4 5
		H	NYC			
Notes:						Key: 1. Half Face Respirator 2. Full Face Respirator 3. PAPR 4. Type "C" Respirator 5. Type C Supplied Air

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108



Order ID:040305286

Attn: Andrew/ M.N. Khan
JLC Environmental Consultants, Inc.
200 Park Ave South, Suite 1001
New York, NY 10003
Fax: 212-420-6092
Project: #03-2744/NYCDEP—114 Liberty ST
Report Date: 04/14/03

Customer ID: JLCC50
Customer PO:
Date Received: 04/05/03 12:23 AM
EMSL Order: 040305286
EMSL Project ID:
Date Analyzed: 04/14/03

Silica, Crystalline Analysis Performed X-Ray Diffraction (XRD) Modified NIOSH Method 7500, Issue 3, 1/15/98

Sample ID	Identification	Particle ID	Volume (L)	Respirable Dust		Airborne Silica			Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	
MB13687-1	12TH FLR SOUTH	Quartz	408	<0.002	N/A	<0.0045	<0.0110	N/A	0.0110
MB13687-2	11TH FLR DINING	Quartz	408	<0.002	N/A	0.0090	0.0221	N/A	0.0110
MB13687-3	10TH FLR DINING	Quartz	408	0.601	1.4730	0.0080	0.0196	1.3	0.0110
MB13687-4	9TH FLR DINING	Quartz	408	0.014	0.0343	0.0090	0.0221	64.3	0.0110
MB13687-5	8TH FLR DINING	Quartz	408	<0.002	N/A	<0.0045	<0.0110	N/A	0.0110
MB13687-6	7TH FLR DINING	Quartz	408	0.010	0.0245	<0.0045	<0.0110	45.0	0.0110
MB13687-7	6TH FLR DINING	Quartz	408	0.090	0.2206	<0.0045	<0.0110	5.0	0.0110
MB13687-8	5TH FLR DINING	Quartz	408	<0.002	N/A	<0.0045	<0.0110	N/A	0.0110
MB13687-9	4TH FLR KITCHEN	Quartz	408	0.115	0.2819	<0.0045	<0.0110	3.9	0.0110

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, neither the specific forms of crystalline silica nor the interfering species can be fully determined. Hence, the amount for each phase, if anticipated, will be analyzed based on primary, secondary, and/or tertiary peak data with comparison to calibration curves of known standards. It should be noted that air samples are meant for only quantifying silica (or a mineral phase) which must first be identified from a bulk dust sample. "<" means less than the stated value. The lowest reportable value is equivalent to the Analytical Sensitivity that is calculated from the lowest reproducible amount of specific mineral detectable by the instrument.

Anant Samudra, Ph.D.
Analyst


Stephen Siegel, CIH- Lab Manager
Or other approved signatory

AIHA Accredited - Laboratory ID #100194
Page 1 of 3

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108



Order ID:040305286

Attn: Andrew/M.N. Khan
JLC Environmental Consultants, Inc.
200 Park Ave South, Suite 1001
New York, NY 10003
Fax: 212-420-6092
Project: #03-2744/NYCDEP—114 Liberty ST
Report Date: 04/14/03

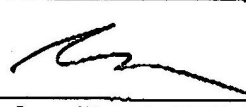
Customer ID: JLCC50
Customer PO:
Date Received: 04/05/03 12:23 AM
EMSL Order: 040305286
EMSL Project ID:
Date Analyzed: 04/14/03

**Silica, Crystalline Analysis Performed X-Ray Diffraction (XRD)
Modified NIOSH Method 7500, Issue 3, 1/15/98**

Sample ID	Identification	Particle ID	Volume (L)	Respirable Dust		Airborne Silica			Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	
MB13687-10	3RD FLR APARTMENT KITCHEN	Quartz	408	0.143	0.3505	<0.0045	<0.0110	3.1	0.0110

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, neither the specific forms of crystalline silica nor the interfering species can be fully determined. Hence, the amount for each phase, if anticipated, will be analyzed based on primary, secondary, and/or tertiary peak data with comparison to calibration curves of known standards. It should be noted that air samples are meant for only quantifying silica (or a mineral phase) which must first be identified from a bulk dust sample. "<" means less than the stated value. The lowest reportable value is equivalent to the Analytical Sensitivity that is calculated from the lowest reproducible amount of specific mineral detectable by the instrument.

Anant Samudra, Ph.D.
Analyst


Stephen Siegel, CIH- Lab Manager
Or other approved signatory

AIHA Accredited - Laboratory ID #100194
Page 2 of 3

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107 Haddon Ave., Westmont, NJ 08108

The logo for EMSL Analytical, Inc. is a black diamond shape with the word "EMSL" in white, bold, sans-serif capital letters inside.

Order ID:040305286

Attn: Andrew/ M.N. Khan
JLC Environmental Consultants, Inc.
200 Park Ave South, Suite 1001
New York, NY 10003
Fax: 212-420-6092
Project: #03-2744/NYCDEP—114 Liberty ST
Report Date: 04/14/03

Customer ID: JLCC50
Customer PO:
Date Received: 04/05/03 12:23 AM
EMSL Order: 040305286
EMSL Project ID:
Date Analyzed: 04/14/03

**Silica, Crystalline Analysis Performed X-Ray Diffraction (XRD)
Modified NIOSH Method 7500, Issue 3, 1/15/98**

Sample ID	Identification	Particle ID	Volume (L)	Respirable Dust		Airborne Silica			Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	
MB13687-3QC	10TH FLR DINING	Quartz	408	0.601	1.4730	0.0070	0.0172	1.2	0.0110
STANDARD	0.030Q	Quartz	N/A	N/A	N/A	0.025	N/A	N/A	N/A
LAB BLANK		Quartz	0	N/A	N/A	<0.0045	N/A	N/A	N/A

Notes:

1. Bulk sample not submitted with sample set.
2. Discernable field blank not submitted with sample set.
3. Results are not field blank corrected.

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, neither the specific forms of crystalline silica nor the interfering species can be fully determined. Hence, the amount for each phase, if anticipated, will be analyzed based on primary, secondary, and/or tertiary peak data with comparison to calibration curves of known standards. It should be noted that air samples are meant for only quantifying silica (or a mineral phase) which must first be identified from a bulk dust sample. "<" means less than the stated value. The lowest reportable value is equivalent to the Analytical Sensitivity that is calculated from the lowest reproducible amount of specific mineral detectable by the instrument.

Anant Samudra, Ph.D.
Analyst


Stephen Siegel, CIH- Lab Manager
Or other approved signatory

AIHA Accredited - Laboratory ID #100194
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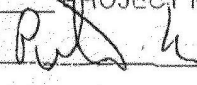
040305280 AIR SAMPLE LOG

CLIENT: NYCDOP

PROJECT NUMBER: 03-2799

SITE: 114 Liberty St

PROJECT MANAGER: M.N. Khan

EC: Peter Koslowsky SIGNATURE: 

DATE 3/30/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

* Silica

PAGE 1 OF 2

SAMPLE INFORMATION									
SAMPLE I.D.		DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
SAMPLE #	FIELD #		start/end	min	start/end	l/min			
MB 13687									
LAB #	13688	12 th floor - south room	1845	240	1.7	1.7	408		
PUMP #			1445		1.7				
SAMPLE #	2	11 th floor - dining room	1049	240	1.7	1.7	408		
LAB #	13689		1449		1.7				
PUMP #									
SAMPLE #	3	10 th floor - dining room	1054	240	1.7	1.7	408		
LAB #	13690		1454		1.7				
PUMP #									
SAMPLE #	4	9 th floor - dining room	1100	240	1.7	1.7	408		
LAB #	13691		1500		1.7				
PUMP #									
SAMPLE #	5	8 th floor - dining room	1104	240	1.7	1.7	408		
LAB #	13692		1504		1.7				
PUMP #									
SAMPLE #		FIELD BLANK							FB
LAB #									
SAMPLE #		FIELD BLANK							FB
LAB #									

TECHNICIAN'S LOG									
CASSETTE		ROTOMETER	TURNAROUND TIME		TYPE		RESULTS TO		
☐ PCM (0.8 MICRON MCE)	520 PC	ID# <u>HFC-112</u>	☐ 2 HRS	☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME _____		
☐ TEM (0.45 MICRON MCE)		C.F. <u>1.014</u>	☐ 4 HRS	☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#() _____		
LOT #		CALIB DATE <u>11/6/02</u>	☐ 6 HRS	☐ OTHER <u>14d</u>	☒ POST-ABATE	☐ AMBIENT	DATE <u>1</u> / <u>1</u> / <u> </u> TIME _____		

CHAIN OF CUSTODY									
RELINQUISHED BY: (print)						DATE	TIME		
Peter Koslowsky						3/30/03			
RECEIVED BY: (print)						4/01/03			
Michael Flent						4/4/03	5 PM		
RELINQUISHED BY: (print)						4/4/03	6 PM		
Jeremy Buttram									
RECEIVED BY: (print)									
ENTERED BY: (print)									
CORRECTED BY: (print)									

LAB NAME: <u>SP-11C</u>		METHODOLOGY		MICROSCOPE/SERIAL #		COMMENTS <u>4/5 10:50</u>
ANALYZED BY: <u>SP-11C</u>		☐ PCM - NIOSH 7400.A		☐ OLYMPUS BH2/204104		
DATE: <u>4/14</u> TIME: <u>10 PM</u>		☐ TEM - AHERA		☐ OLYMPUS CHS/7C0021		
QC BY: <u>4/14</u> DATE: <u>11/02</u>		☐ TEM - EPA LEVEL II				

ILC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

CLIENT: NYCDEPPROJECT NUMBER: 03-2749-0000TE: 114 Liberty StPROJECT MANAGER: M.N. KlineECOLOGICIAN: Peter Kasloshy SIGNATURE: [Signature]DATE: 3/30/03WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY* SilicaPAGE 2 OF 2

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
		start/end	min	start/end	l/min			
SAMPLE # <u>6</u> FIELD # <u>13693</u>	<u>8th floor dining room</u>	<u>1108</u>		<u>1.7</u>	<u>1.7</u>			
AB # <u>13693</u>		<u>1508</u>	<u>240</u>	<u>1.7</u>	<u>400</u>	<u>408</u>		
PUMP #								
SAMPLE # <u>7</u> FIELD # <u>13694</u>	<u>6th floor - Dining room</u>	<u>1830</u>		<u>1.7</u>				
AB # <u>13694</u>		<u>2230</u>	<u>240</u>	<u>1.7</u>	<u>1.7</u>	<u>408</u>		
PUMP #								
SAMPLE # <u>8</u> FIELD # <u>13695</u>	<u>5th floor - Dining room</u>	<u>1835</u>		<u>1.7</u>				
AB # <u>13695</u>		<u>2235</u>	<u>240</u>	<u>1.7</u>	<u>1.7</u>	<u>408</u>		
PUMP #								
SAMPLE # <u>9</u> FIELD # <u>13696</u>	<u>4th floor in kitchen</u>	<u>1842</u>		<u>1.7</u>				
AB # <u>13696</u>		<u>2242</u>	<u>240</u>	<u>1.7</u>	<u>1.7</u>	<u>408</u>		
PUMP #								
SAMPLE # <u>10</u> FIELD # <u>13697</u>	<u>3rd floor Apartment in Kitchen</u>	<u>1848</u>		<u>1.7</u>				
AB # <u>13697</u>		<u>2248</u>	<u>240</u>	<u>1.7</u>	<u>1.7</u>	<u>408</u>		
PUMP #								
SAMPLE # FIELD #	FIELD BLANK			<u>1.7pk</u>				FB
AB #								
SAMPLE # FIELD #	FIELD BLANK							FB
AB #								

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# <u>HPR-112</u>	☐ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME _____
☐ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING	☐ ENVIRON	PH/PGR#() _____
LOT#	CALIB. DATE <u>11/10</u>	☐ 6 HRS ☐ OTHER <u>14 days</u>	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME

CHAIN OF CUSTODY

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Peter Kasloshy</u>	<u>[Signature]</u>	<u>3/30/03</u>	
RECEIVED BY: (print)	(sign)		
<u>Michael Flicht</u>	<u>[Signature]</u>	<u>4/01/03</u>	
RELINQUISHED BY: (print)	(sign)		
<u>Jeremy Buffum</u>	<u>[Signature]</u>	<u>4/4/03</u>	<u>5 PM</u>
RECEIVED BY: (print)	(sign)		
<u>Jeremy Buffum</u>	<u>[Signature]</u>	<u>4/4/03</u>	<u>6 PM</u>
ENTERED BY: (print)	(sign)		
<u>[Signature]</u>	<u>[Signature]</u>		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION

AB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
<u>PA IL</u>	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
ANALYZED BY: <u>J. Wu</u>	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0031	
DATE: <u>4/14/03</u> TIME: <u>10 PM</u>	☐ TEM - EPA LEVEL II		
QC BY: <u>4/24/03</u> DATE: <u>4/24/03</u>			