

MAR. 25. 2003 10:04AM

JLC ENVIRONMENTAL

NO. 826 P. 1

JLC ENVIRONMENTAL CONSULTANTS, INC.
200 PARK AVENUE SOUTH
NEW YORK, NY 10003
TEL (212) 420-8119 FAX (212) 420-6092

FACSIMILE TRANSMITTAL SHEET

TO: <i>Penny</i>	FROM: <i>JLC</i>
COMPANY: <i>DEP</i>	DATE: <i>3-25-03</i>
FAX NUMBER: <i>(718) 595-3744</i>	TOTAL NO. OF PAGES INCLUDING COVER: <i>2</i>
PHONE NUMBER	SENDER'S FAX NUMBER
JLC PROJECT NUMBER	

☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE SIGN & RETURN ☒ YOUR FILES

NOTES/COMMENTS: *114 Liberty St.*

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MAR. 25. 2003 10:04AM CONJLC ENVIRONMENTAL

NG. 826, R S, P. 2, FILE LOG

CLIENT: NYC DEP.

0303A613

PROJECT NUMBER: 02-2744

SITE: 114 LIBERTY STREET N.Y N.Y

PROJECT MANAGER: M.N KHAN.

TECHNICIAN: SHAWN RATHNAM

SIGNATURE: *Shawn Rathnam*

DATE 03/24/03

WHITE COPY = PROJECT MANAGER
YELLOW COPY = LABORATORY

PAGE 01 OF

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 # 01 LAB # 008765 PUMP #		DURING ENTRANCE TO BLD. 114 LIBERTY STREET. NORTHERN SIDE.	08:30 18:30	600	6 6	6	3636	14 100	0.0019 0.002
SAMPLE # 02 LAB # 008766 PUMP #		DURING PERSONAL DECON CLEAN ROOM.	08:32 18:32	600	6 6	6	3636	11 100	0.0015
SAMPLE # 03 LAB # 008767 PUMP #		DURING INSIDE OF BLD. EASTERN SIDE.	08:34 18:34	600	6 6	6	3636	6 100	0.0008
SAMPLE # 04 LAB # 008768 PUMP #		DURING INSIDE - ENTRANCE TO BASEMENT.	08:36 18:36	600	6 6	6	3636	4 100	0.0005 0.0005
SAMPLE # 05 LAB # 008769 PUMP #		DURING INSIDE OF BLD. LEADER STREET ENTRANCE (SOUTHERN SIDE)	08:38 18:38	600	6 6	6	3636	4 100	0.0005
SAMPLE # 06 LAB # 008770 PUMP #		FIELD BLANK						0 100	FB -
SAMPLE # 07 LAB # 008771 PUMP #		FIELD BLANK						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 (0.48 MICRON MCE)	C.F. 1.010	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PGRA ()
LOT #	CALIB. DATE 3/7/03	☐ 8 HRS ☒ OTHER 12	☐ POST-ABATE	☐ AMBIENT	DATE 03/25/03 TIME 8:00am.

RELINQUISHED BY: (print)	RECEIVED BY: (print)	RELINQUISHED BY: (print)	RECEIVED BY: (print)	ENTERED BY: (print)	CORRECTED BY: (print)	DATE	TIME
SHAWN RATHNAM	J.B.					03/24/03	7:00
						3/25/03	

LAB NAME: JLC	METHODOLOGY		MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: JS	☒ PCM - NIOSH 7400.A		☒ OLYMPUS BH2/204104	
DATE: 3/25/03 TIME:	☐ TEM - AHERA		☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II			

Please Reply To:

SCIENTIFIC LABORATORIES, INC.117 EAST 30TH STREET
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-8392

**FACSIMILE TELECOPY TRANSMISSION**

To: Mary Kate Kiokeary
JLC Environmental Consultants
Fax #: (212)420-6092 (718)595-3744

From: Roman Peysakhov
SCILAB Job#: 203033339
Subject: AHERA Protocol 24 hour Results
Client Project: 03-2744: NYC DEP WTC: 114
Liberty Street: NY, NY/DURINGS

Date: Monday, March 24, 2003Time: 18:20:54

Comments:

Number of Pages: 4
(including cover sheet)

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ENVIRONMENTAL CONSULTANTS, INC

PURCHASE ORDER REQUISITION**203033339**

Vendor: Sci-Lab
 Address: 117 E 30 St.
 City: NYC State: _____ Zip: _____ Email: _____
 Contact: 2744 Phone: () _____ Fax: () _____
 Project No. 03-2744 NY DEP
 Reason for PO: TEM

ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
(5)	TEM only collected 3/21/03			
	24 HRS			
(5)	TEM only 3/22/03			
(5)	TEM only 3/23/03			
Tax				
Shipping & Handling				
Other Charges:				
Total				

Requested by: [Signature]Date: 3/24/03Authorized by: [Signature]Date: 3/24/02Date Issued: 3/24/03

200 Park Ave South, Suite 1001 New York, New York 10003 • Tel: (212) 420-8119 • Fax: (212) 420-6092

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

NYLAB#: 200546-0

03/24/2003 21:29 2126799392

SCILAB NYC

PAGE 04/04

LC ENVIRONMENTAL CONSULTANTS, INC.**AIR SAMPLE LOG**

0303A597

AGENT: NYC DEP. WTCPROJECT NUMBER: 03-2744E: 144 LIBERTY STREET N.Y. N.Y.PROJECT MANAGER: M.N. KHAN.TECHNICIAN: SHAWN RAJKUMARSIGNATURE: ShawnDATE: 03/21/03SITE COPY = PROJECT MANAGER
LOW 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/min				
203033339									
SAMPLE # 01	FIELD #	DURING/ INSIDE - ENTRANCE							
LAB # 008563		TO BLD. LIBERTY STREET.							
PUMP #		NORTHERN SIDE.							
SAMPLE # 02	FIELD #	DURING/ PERSONAL DECON							
LAB # 008564		CLEAN ROOM.							
PUMP #									
SAMPLE # 03	FIELD #	DURING/ INSIDE -							
LAB # 008565		EASTERN SIDE OF BLD.							
PUMP #									
SAMPLE # 04	FIELD #	DURING/ INSIDE -							
LAB # 008566		ENTRANCE TO BASEMENT.							
PUMP #									
SAMPLE # 05	FIELD #	DURING/ INSIDE OF BLD.							
LAB # 008567		READER ST. ENTRANCE.							
PUMP #									
SAMPLE # 06	FIELD #	FIELD BLANK						FB	
LAB # 008568								-	
SAMPLE # 07	FIELD #	FIELD BLANK						FB	
LAB # 008569								-	

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE		RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HR-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>()</u>
LOT #	CALIB. DATE <u>1/16/03</u>	☐ 6 HRS ☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE <u>03/23/03</u> TIME <u>8:00 AM.</u>

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>SHAWN RAJKUMAR</u>	<u>Shawn</u>	<u>03/24/03</u>	<u>19:00</u>
RECEIVED BY: (print)	(sign)	<u>3/24/03</u>	
<u>J.B.</u>	<u>Pennett</u>		
RELINQUISHED BY: (print)	(sign)	<u>3/24/03</u>	<u>1130</u>
<u>Leona Hadrick</u>	<u>Leona Hadrick</u>		
RECEIVED BY: (print)	(sign)		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

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



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NEW YORK, NY 10016

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FACSIMILE TELECOPY TRANSMISSION

To: Mary Kate Kiokeary
JLC Environmental Consultants
Fax #: (212)420-6092 (718)595-3744

From: Roman Peysakhov
SCILAB Job#: 203033340
Subject: AHERA Protocol 24 hour Results
Client Project: 03-2744: NYC DEP: 114 Liberty
Street/DURINGS

Date: Monday, March 24, 2003Time: 19:19:06

Comments:

Number of Pages: 4
(including cover sheet)

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SciLab Job #: 203833340

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 (Micros)			Structure Density (struc/sq. mm.) >5.0	Structure Concentration (struc/cc air) >5.0	Total		Type of Asbestos
01	008570		3600	.12	0.0009	0.0	0.0	0.0	<8.3	<0.0009	<8.3	<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	0.0	<8.3	<0.0009	<8.3	<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	1.0	8.3	0.0009	8.3	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	0.0	<8.3	<0.0009	<8.3	<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	0.0	<8.3	<0.0009	<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

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/24/03

Roman Pelysakhov

NVLAP#: 200546-0

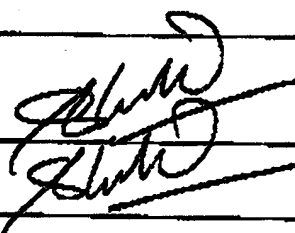


ENVIRONMENTAL CONSULTANTS, INC

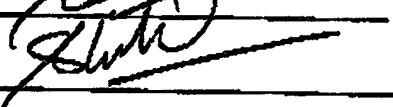
PURCHASE ORDER REQUISITION

Vendor:	Sci-Lab		
Address:	117 E 30 St.		
City:	NYC	State:	
Zip:		Email:	
Contact:	03-2744	Phone: ()	Fax: ()
Project No.	03-2744 NY DEP		
Reason for PO:	TEM		
203033340			

(5)	TEM only	collected 3/21/03		
	24 HRS			
(5)	TEM only	3/22/03		
(5)	TEM only	3/23/03		
			Tax	
			Shipping & Handling	
			Other Charges:	
			Total	

Requested by: 

Date: 3/24/03

Authorized by: 

Date: 3/24/03

Date Issued: 3/24/03

200 Park Ave South, Suite 1001 New York, New York 10003 • Tel: (212) 420-8119 • Fax: (212) 420-6092

03/24/2003 21:34 2126799392

SCILAB NYC

PAGE 04/04

ENVIRONMENTAL CONSULTANTS, INC.

0303A598

AIR SAMPLE LOG

CLIENT: NYC DEP

PROJECT NUMBER: 03-2744

SITE: 114 LIBERTY STR.

PROJECT MANAGER: M.M. KHAN

TECHNICIAN: F. AGBODZA

SIGNATURE: F. AGBODZA

DATE: 03/22/03

SITE COPY = PROJECT MANAGER

FLOW COPY = LABORATORY

TEM only / 24 HRS

PAGE 1 OF 1

SAMPLE INFORMATION									
SAMPLE I.D.	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (/cc)
			start/end	min	start/end	l/min			
01	008570	DURING: At the front entrance adjacent to the decon ground floor Bldg # 114 Liberty STR.	0800/1800	600	6/6	6	3650.4	12/100	0.0023
02	008571	DURING: In side the clean room of the decon ground floor Bldg # 114 Liberty STR.	0801/1801	600	6/6	6	3650.4	15/100	0.0020
03	008572	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
04	008573	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
05	008574	DURING: At the back entrance of Bldg # 114 on the Cedar side of the STR	0804/1804	650	6/6	6	3650.4	5/100	0.0007
06	008575	FIELD BLANK						0/100	FB
07	008576	FIELD BLANK						0/100	FB

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. 1.01A	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PG# 718.595.3744
LOT #	CALIB. DATE 1/6/03	☐ 8 HRS ☒ OTHER	☐ 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
F. AGBODZA	J.B.					03/22/03	1900
						3/24/03	
						3/24/03	1130

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



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FACSIMILE TELECOPY TRANSMISSION

To: Mary Kate Kiokeary
JLC Environmental Consultants
Fax #: (212)420-6092 (718)595-3744

From: Roman Peysakhov
SCILAB Job#: 203033341
Subject: AHERA Protocol 24 hour Results
Client Project: 03-2744: NYC DEP: 114 Liberty
Street: NY, NY/DURINGS

Date: Monday, March 24, 2003Time: 20:28:40

Comments:

Number of Pages: 4

(including cover sheet)

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ENVIRONMENTAL CONSULTANTS, INC.

CLIENT: DEP.

0303A599

AIR SAMPLE LOG

SITE: 114 Liberty Street ManhattanPROJECT NUMBER: 02-2744TECHNICIAN: Omelie MarieSIGNATURE: AMCPROJECT MANAGER: M. N. KhanDATE: 3/23/03

WHITE COPY = PROJECT MANAGER

YELLOW COPY = LABORATORY

TEM only / 24 HRS

PAGE 1 OF 1

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			
203033341									
SAMPLE #	FIELD #	Dinning room	730		6				
LAB #	008577	S 1st floor North	1730		6		3639.6	12	0.0016
PUMP #		Side D.W.R.	600		6	6		100	
SAMPLE #	FIELD #	Clean room of decon	737		6				
LAB #	008579	D.W.R.	1732		6		3639.6	6	0.0022
PUMP #			600		6	6		100	
SAMPLE #	FIELD #	Entrance to work	737		6				
LAB #	008579	area Liberty Street	1733		6		3639.6	8	0.0011
PUMP #		Side D.W.R.	600		6	6		100	
SAMPLE #	FIELD #	Entrance to the	735		6				
LAB #	008580	Basement Stairway	1735		6		3639.6	10	0.0013
PUMP #		D.W.R.	600		6	6		100	
SAMPLE #	FIELD #	Entrance to work	736		6				
LAB #	008581	area Cedar Street	1736		6		3639.6	6	0.0008
PUMP #		Side D.W.R.	600		6	6		100	
SAMPLE #	FIELD #	FIELD BLANK							
LAB #	008582							0	FB
PUMP #								100	
SAMPLE #	FIELD #	FIELD BLANK							
LAB #	008583							0	FB
PUMP #								100	

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>HFR-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/PG#() _____
LOT # _____	CALIB. DATE <u>3/15/03</u>	☐ 8 HRS ☐ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE / / TIME :
RELINQUISHED BY: (print) <u>Omelie Marie</u>	(sign) <u>AMC</u>	DATE <u>3/23/03</u>	TIME <u>1800</u>	
RECEIVED BY: (print) <u>J.B.</u>	(sign) <u>Bernard</u>	DATE <u>3/24/03</u>	TIME	
RELINQUISHED BY: (print) _____	(sign) _____	DATE <u>3/24/03</u>	TIME <u>1130</u>	
RECEIVED BY: (print) <u>Leona Hedrick</u>	(sign) <u>Leona Hedrick</u>	DATE	TIME	
ENTERED BY: (print) _____	(sign) _____	DATE	TIME	
CORRECTED BY: (print) _____	(sign) _____	DATE	TIME	

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

SCILAB JOB #: 205033341

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	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 Dean 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 Peykikhov

NVLAP#: 200546-0



ENVIRONMENTAL CONSULTANTS, INC

PURCHASE ORDER REQUISITION

Vendor: Sci-Lab
Address: 117 E 30 St.
City: NYC State: _____ Zip: _____ Email: _____
Contact: B-2744 Phone: () _____ Fax: () _____
Project No. 03-2744 NY DEP **203083341**
Reason for PO: TEM

(5)	TEM only	collected 3/21/03		
	24 HRS			
(5)	TEM only	3/22/03		
(5)	TEM only	3/23/03		
			Tax	
			Shipping & Handling	
			Other Charges:	
			Total	

Requested by: [Signature]Date: 3/24/03Authorized by: [Signature]Date: 3/24/03Date Issued: 3/24/03

200 Park Ave South, Suite 1001 New York, New York 10003 • Tel: (212) 420-8119 • Fax: (212) 420-6092

03/20/2003 21:46 2126799392

SCILAB NYC

PAGE 03/03

ENVIRONMENTAL CONSULTANTS, INC.

0303A-571

AIR SAMPLE LOG

AGENT: NYC DEP

PROJECT NUMBER: 03-2744

SITE: 114 LIBERTY STR.

PROJECT MANAGER: M. N. KHAN

TECHNICIAN: F. AGBODZA

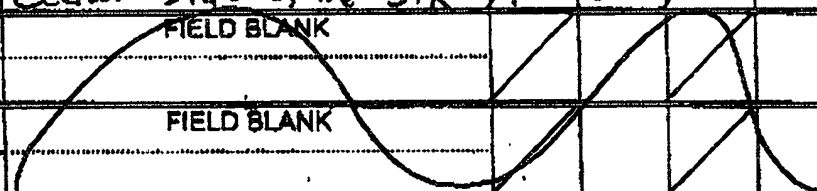
SIGNATURE: 

DATE: 03/19/03

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 (f/cc)	
		start/end	min	start/end	l/min				
SAMPLE # 01-08-03 LAB # 008288 PUMP #	DURING: At the front entrance adjacent to the decon ground floor Bldg # 114 Liberty STR.	0800/1800	600	6/6	6	3650.4	9/100	0.0012	
SAMPLE # 02-08-03 LAB # 008289 PUMP #	DURING: Inside 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 # 03-08-03 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 # 04-08-03 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 # 05-08-03 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 # 06-08-03 LAB # 008293 PUMP #	FIELD BLANK					0/100		FB	
SAMPLE # 07-08-03 LAB # 008294 PUMP #	FIELD BLANK							FB	

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 (0.48 MICRON MCE)	C.F. 1.014	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PG# 21595-3244
LOT #	CALIB. DATE 1/16/03	☐ 6 HRS ☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME :

RELINQUISHED BY: (print)				DATE	TIME
F. AGBODZA				03/19/03	1900
RECEIVED BY: (print)				3/20/03	
RELINQUISHED BY: (print)				3/20/03	1140
RECEIVED BY: (print)					
ENTERED BY: (print)					
CORRECTED BY: (print)					

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

SciLab Job #: 203032913

Client Name: JLC Environmental Consultants

PAGE 02/03

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	>5.0	Total	
01	008288		3600	.12	0.0009	0.0	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	008289		3600	.12	0.0009	0.0	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	008290		3600	.12	0.0009	4.0	0.0	4.0	<8.3	33.3	<0.0009	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	<8.3	<0.0009	<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	<8.3	<0.0009	<0.0009	NSD
	During-At the Back Entrance of Bldg. #114 On the Cedar Side of the St.												

SCILAB NYC

2126799392

21:46

03/20/2003
 concentration represented by the detection of 1 structure
 not analyzed
 NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 3/20/03

Aleksandra Harengolis

NYLAP#: 200546-0



Please Reply To:

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NEW YORK, NY 10016
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FACSIMILE TELECOPY TRANSMISSION

To: Mary Kate Kiokeary
ILC Environmental Consultants
Fax #: (212)420-6092 (718)595-3744

Date: Thursday, March 20, 2003
Time: 20:45:56

Comments:

From: Aleksandr Barengolts
SCILAB Job#: 203032913
Subject: AHERA Protocol 24 hour Results
Client Project: 03-2744: NYDEP: 114 Liberty
Street/DURINGS

Number of Pages:

5
(including cover sheet)

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03/20/2003 17:39 2126799392
LC ENVIRONMENTAL CONSULTANTS, INC.

SCILAB NYC

PAGE 03/03

AIR SAMPLE LOG

AGENT: NYC DEP

0303A550

PROJECT NUMBER: 03-2744SITE: 114 LIBERTY STR.PROJECT MANAGER: M. [Signature]TECHNICIAN: F. AGBODZSIGNATURE: [Signature]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)	
SAMPLE #	FIELD #		start/ end	min	start/ end	l/min				
01		DURING: At the front entrance	0300	600	6	6	3650.4	7	0.0009	
LAB #	008053	adjacent to the decon ground	1800					100		
PUMP #		floor of bldg #114 Liberty Str.								
02		DURING: - Inside the clean room	0302	600	6	6	3650.4	8	0.0011	
LAB #	008054	of the decon ground floor	1802					100		
PUMP #		bldg #114 Liberty Str.								
03		DURING: - Adjacent to the stair	0804	600	6	6	3650.4	7	0.0009	
LAB #	008055	case near the decon ground	1804					100		
PUMP #		floor, Bldg #114 Liberty Str.								
04		DURING: - At the back entrance	0806	600	6	6	3650.4	4	0.0005 clow	
LAB #	008056	leading to the basement	1806					100		
PUMP #		ground floor bldg 114 Liberty								
05		DURING: - At the back entrance	0808	600	6	6	3650.4	4	0.0005 clow	
LAB #	008057	of bldg #114 on the	1808					100		
PUMP #		cedar side of the STR								
06		FIELD BLANK						0	FB	
LAB #	008058							100	-	
07		FIELD BLANK						0	FB	
LAB #	008059							100	-	

CASSETTE		ROTOMETER		TURNAROUND TIME		TYPE		RESULTS TO	
☐ PCM (0.8 MICRON MCE)	ID# <u>HR-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/PRN# <u>(718) 595-3744</u>			
LOT #	CALIB. DATE <u>1/6/03</u>	☐ 8 HRS	☒ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE <u>1/1</u> TIME <u>1</u>			
RELINQUISHED BY: (print) <u>F. AGBODZ</u>						DATE		TIME	
RECEIVED BY: (print) <u>J.B.</u>						<u>03/18/03</u>		<u>1900</u>	
RELINQUISHED BY: (print) <u>Leona Hedrick</u>						<u>3/19/03</u>			
RECEIVED BY: (print) <u>Leona Hedrick</u>						<u>3/19/03</u>		<u>1150</u>	
ENTERED BY: (print)									
CORRECTED BY: (print)									
LAB NAME: <u>JLC</u>		METHODOLOGY		MICROSCOPE/SERIAL #		COMMENTS:			
ANALYZED BY: <u>MB</u>		☐ PCM - NIOSH 7400.A		☒ OLYMPUS BH2/204104					
DATE: <u>3/19/03</u> TIME:		☐ TEM - AHERA		☐ OLYMPUS CHS/7C0021					
QC BY: DATE:		☐ TEM - EPA LEVEL II							

SciLab Job #: 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.) >5.0	Structure Concentration (struc/cc air) >5.0	Type of Asbestos
01	008053		3600	.12	0.0009	0.0	<8.3	<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	8.3	0.0009	chrysotile
		During: Inside The Clean Room Of The Decon Ground Floor Bldg #114 Liberty St.							
03	008055		3600	.12	0.0009	0.0	<8.3	<0.0009	NSD
		During: Adj to The Staircase Near The Decon Ground Floor, Bldg #14 Liberty St.							
04	008056		3600	.12	0.0009	0.0	<8.3	<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	<8.3	<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

NYLAP#: 200546-0

***** -IND. XMT JOURNAL- ***** DATE MAR-26-2003 ***** TIME 09:38 *****

DATE/TIME = MAR-26-2003 09:36
 JOURNAL No. = 12
 COMM.RESULT = OK
 PAGE(S) = 004/004
 DURATION = 00:01'33
 FILE No. = 178
 MODE = MEMORY TRANSMISSION
 DESTINATION = 912126374360
 RECEIVED ID = / 2126374360
 RESOLUTION = STD

-NYCDEP BANHM ASB/LEAD TRU-

***** - ***** 718 595 3648- *****



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FACSIMILE TELECOPY TRANSMISSION

To: Mary Kate Kiokeary
ILC Environmental Consultants

Fax #: (212) 420-6092 / 212-535-3744

Date: Tuesday, March 25, 2003

Time: 22:06:21

Comments:

From: Jonathan M. Teda
 SCILAB Job#: 203033487

Subject: AHERA Protocol 24 hour Results
 Client Project: 02-2744: NYC DEP: 114 Liberty St., NY, NY

Number of Pages: 4
 (including cover sheet)

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SciLab Job #: 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 (structure air)	Asbestos Structures Detected (Microns)		Structure Density (structure/mm.)		Structure Concentration (structure/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
	Daring/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
	Daring/Personal Decon Clean Room											
03	008767		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	Daring/Inside Of Bldg. Eastern Side											
04	008768		3600	.12	0.0009	0.0	0.0	<8.3	<8.3	<0.0009	<0.0009	NSD
	Daring/Inside - Entrance To Basement											
05	008769		3600	.12	0.0009	1.0	0.0	<8.3	<8.3	<0.0009	<0.0009	chrysotile
	Daring/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. Teda

NVLAP#: 200546-0



203033487

PURCHASE ORDER REQUISITION

NYC-WTC 000101190

03/25/2003 23:05

2126799392

SCILAB NYC

PAGE 04/04

ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

ENT: NYC DEP.

0303A613

PROJECT NUMBER: 02-2744

E: 114 LIBERTY STREET N.Y N.Y

PROJECT MANAGER: M.N. KHAN.

TECHNICIAN: SHAWN RAKUMAL SIGNATURE: *Shawn Rakumal*

DATE 03/24/03

SITE 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 (f/cc)
AMPLE #	FIELD #		start/ end	min	start/ end	l/m			
01		DURING ENTRANCE TO	08:30		6			14	0.0019
AB # 008765		BLD. 114 LIBERTY STREET.	18:30	600	6	6	3636	100	0.002
JMP #		(NORTHERN SIDE)							
02		DURING PERSONAL DECON	08:32		6			11	
AB # 008766		CLEAN ROOM.	18:32	600	6	6	3636	100	0.0015
JMP #									
03		DURING INSIDE OF BLD.	08:34		6			6	
AB # 008767		EASTERN SIDE.	18:34	600	6	6	3636	100	0.0008
JMP #									
04		DURING INSIDE - ENTRANCE	08:36		6			4	
AB # 008768		TO BASEMENT.	18:36	600	6	6	3636	100	0.0005
JMP #									
05		DURING INSIDE OF BLD.	08:38		6			4	
AB # 008769		LEADER STREET ENTRANCE	18:38	600	6	6	3636	100	0.0005
JMP #		(SOUTHERN SIDE)							
06		FIELD BLANK						0	FB
AB # 008770								100	-
JMP #									
07		FIELD BLANK						0	FB
AB # 008771								100	-

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	PH/PG#
LOT #	CALIB. DATE 3/7/03	☐ 8 HRS ☒ OTHER 12	☐ POST-ABATE ☐ AMBIENT	DATE 03/25/03 TIME 8:00AM

RELINQUISHED BY: (print)	RECEIVED BY: (print)	RELINQUISHED BY: (print)	RECEIVED BY: (print)	ENTERED BY: (print)	CORRECTED BY: (print)
SHAWN RAKUMAL	J.B.		LEONA HEDRICK		
(sign)	(sign)	(sign)	(sign)	(sign)	(sign)

LAB INFORMATION	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS
AB NAME: JLC	☒ PCM - NIOSH 7400.A	☒ OLYMPUS BH2/204104	
ANALYZED BY: JLC	☐ TEM - AHERA	☐ OLYMPUS CHS7C0021	
DATE: 3/25/03 TIME:	☐ TEM - EPA LEVEL II		
QC BY: DATE:			