

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	Total	>5.0	Total	>5.0	Total	
01	008563		3600	.12	0.0009	0.0	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	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	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	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	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

NVLAP#: 200546-0

CITY_DEP_WORBY_CANNATA_SUBP_000006184

03/24/2003 21:29 2126799392

SCILAB NYC

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LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

ENT. NYC DEP. WTC

0303A597

PROJECT NUMBER: 03-2744-

E: 114 LIBERTY STREET N.Y. N.Y.

PROJECT MANAGER: M.N. KHAN.

TECHNICIAN SHAWN RATKUMAR

SIGNATURE: *Shawn Ratkumar*

DATE 03/21/03

SITE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

TEM only / 24 HRS

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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			
		203033339								
SAMPLE #	FIELD #	DURING/ INSIDE - ENTRANCE TO BLD. LIBERTY STREET. NORTHERN SIDE.		08:18		6			5	0.0007
LAB #				18:18	600	6	6	3650.	100	1.00
PUMP #										
SAMPLE #	FIELD #	DURING/ PERSONAL DECON CLEAN ROOM.		08:20		6			3	0.0004
LAB #				18:20	600	6	6	3650.	100	LOD
PUMP #										
SAMPLE #	FIELD #	DURING/ INSIDE - EASTERN SIDE OF BLD.		08:22		6			15	0.0020
LAB #				18:22	600	6	6	3650.	100	
PUMP #										
SAMPLE #	FIELD #	DURING/ INSIDE - ENTRANCE TO BASEMENT.		08:24		6			7	0.0009
LAB #				18:24	600	6	6	3650.	100	
PUMP #										
SAMPLE #	FIELD #	DURING/ INSIDE OF BLD. LEADER ST. ENTRANCE.		08:26		6			5	0.0007
LAB #				18:26	600	6	6	3650.	100	
PUMP #										
SAMPLE #	FIELD #	FIELD BLANK							0	FB
LAB #									100	-
PUMP #										
SAMPLE #	FIELD #	FIELD BLANK							0	FB
LAB #									100	-
PUMP #										

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/PCR#
LOT #	CALIB. DATE 1/6/03	☐ 6 HRS ☒ OTHER	☐ POST-ABATE ☐ AMBIENT	DATE 03/22/03 TIME 8:00 AM.

RELINQUISHED BY: (print)	(sign)	DATE	TIME
SHAWN RATKUMAR	<i>Shawn Ratkumar</i>	03/24/03	19:00
RECEIVED BY: (print)	(sign)	03/24/03	
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print) Leona Hadrick	<i>Leona Hadrick</i>	3/24/03	11:30
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

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