

007



AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P. C.
LABORATORY ID #: T02-08-049
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm^2): 0.012422

PROJECT: NYC DEP, 103 Reade Street
DATE OF REPORT: 08/11/02
DATE OF ANALYSIS: 08/11/02
EFFECTIVE FILTER AREA (mm^2): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (lt)	G.O.'s ANALYZED	AREA ANALYZED (mm^2)	ANALYT. SENSITIV. (struct./cm^3)	TOTAL ASBESTOS AIR CONC. (struct./cm^3)	TOTAL ASBESTOS FILTER CONC. (str./mm^2)	AIR CONC. FOR STRUCT.: $0.5 \leq S \leq 5 \mu\text{m}$	AIR CONC. FOR STRUCT.: $S \geq 5.0 \mu\text{m}$	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
001A	T02-08-049-1451	Adjacent to door entrance	1590	5	0.0621	0.0039	<0.0039	<16.10	NA	NA	NA	NA
002A	T02-08-049-1452	Center area	1590	5	0.0621	0.0039	<0.0039	<16.10	NA	NA	NA	NA
003A	T02-08-049-1453	Side area adjacent to stair	1590	5	0.0621	0.0039	<0.0039	<16.10	NA	NA	NA	NA
004A	T02-08-049-1454	Side area adjacent to columns	1590	5	0.0621	0.0039	<0.0039	<16.10	NA	NA	NA	NA
005A	T02-08-049-1455	Street area	1590	5	0.0621	0.0039	<0.0039	<16.10	NA	NA	NA	NA

ANALYST
E. Sioukri

LABORATORY DIRECTOR
Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassettes will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- If AES Inc., did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

08/12/2002 08:37 FAX 718 784 4085

AUG-14-2002 13:27

BAMM LABORATORY UNIT

P.06

228 East 45th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0030

CLIENT: N.Y.C. DCP
PROJECT: World Trade Center
LOCATION: 103 West St

WARREN & PANZER ENGINEERS, P.C.
AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

W&P FILE #: 1574-C1-C2
LABORATORY: ATC
ANALYSIS METHOD: PCM TECH
TECHNICIAN: N. Wells

CONTACT: Mike Nolan
P.O. _____
SCA JOB#: _____
LW#: _____

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SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE	START STOP	ON	OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (µg/lcc)
101A	101 to 102 Elevator	3	06	06	05:50	10:15	06:55	06:55	265	1590
102A	102 to 103 Elevator	3	06	06	05:51	10:14	06:56	06:56	265	1590
103A	103 to 104 Elevator	3	06	06	05:52	10:17	06:57	06:57	265	1590
104A	104 to 105 Elevator	3	06	06	05:53	10:18	06:58	06:58	265	1590
105A	105 to 106 Elevator	3	06	06	05:54	10:19	06:59	06:59	265	1590
106A	106 to 107 Elevator	3	06	06	05:55	10:20	07:00	07:00	265	1590
107A	107 to 108 Elevator	3	06	06	05:56	10:21	07:01	07:01	265	1590
108A	108 to 109 Elevator	3	06	06	05:57	10:22	07:02	07:02	265	1590
109A	109 to 110 Elevator	3	06	06	05:58	10:23	07:03	07:03	265	1590
110A	110 to 111 Elevator	3	06	06	05:59	10:24	07:04	07:04	265	1590
111A	111 to 112 Elevator	3	06	06	05:59	10:24	07:04	07:04	265	1590

COMMENTS:

102-08-049

SAMPLE BY: [Signature] DATE: 8/10
RELEASED BY: [Signature] DATE: 8/10
RECEIVED BY: [Signature] DATE: 8/10
SIGNATURE: [Signature]

SAMPLE TYPE CODES

1 - Blank	2 - Pre-Abatement	3 - During Abatement	4 - During Glove Bag Removal
5 - Final Clearance (inside)	6 - Final Clearance (outside)	7 - Personal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION