



ATHENICA

ENVIRONMENTAL SERVICES INC.

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warden & Panzer Engineers, P.C.

LABORATORY ID #: T02-08-075

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 30 West Broadway

DATE OF REPORT: 08/15/02

DATE OF ANALYSIS: 08/15/02

EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (L)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (air/cc/1cm ²)	TOTAL ASBESTOS AIR CONC. (air/cc/1cm ²)	TOTAL ASBESTOS FILTER CONC. (air/cc/1cm ²)	AIR CONC. FOR STRUCT. 0.55<5µm	AIR CONC. FOR STRUCT. 5<5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
001A	T02-08-075-1574	Entrance to personal decon	1660	5	0.0621	0.0041	0.0041	16.10	<0.0041	0.0041	NA	Anthroph.
002A	T02-08-075-1575	Northwest area on balcony	1660	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
003A	T02-08-075-1576	South area on balcony	1660	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
004A	T02-08-075-1577	North area at ground level	1660	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
005A	T02-08-075-1578	Northwest area at ground level	1660	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA

E. Dimitrakas

ANALYST
E. Dimitrakas

Sprio Dongaris

LABORATORY DIRECTOR
Sprio Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- All sampling cassettes will be sealed 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 asbestos 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 Athena Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

228 East 46th Street
New York, NY 10017
(212) 922-4077
Fax (212) 922-0630

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

PAGE ____ OF ____

P.O.

CLIENT: N.Y.C. DEP

PROJECT: WTC

LOCATION: 30 W. Broadway

W&P FILE #: 1099-01-02

LABORATORY: NYC

ANALYSIS METHOD: PCM

circle one
TECHNICIAN: N. Wells

ITEM
AHERA/EPA LEVEL II

CONTACT: Mike Nolan

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (fib/cc)
001A	Indoor to Personal Area	3		4	4	08:00	15:00	420	1600	
002A	WTC and on balcony	3		4	4	08:01	15:01	420	1600	
003A	South area on balcony	3		4	4	08:02	15:02	420	1600	
004A	North area @ ground level	3		4	4	08:03	15:03	420	1600	
005A	WTC area @ ground level	3		4	4	08:04	15:04	420	1600	
006	Field	1								
007	Field	1								
008	Field	1								

COMMENTS:

SAMPLE BY: N. Wells DATE: 8/11

SIGNATURE: N. Wells

RELEASED BY: N. Wells DATE: 8/11

SIGNATURE: N. Wells

RECEIVED BY: E. Singletary DATE: 8/11/02

SIGNATURE: E. Singletary

T02-08-075

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