



AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-11-055
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.013433

PROJECT: NYC DEP, 133 Greenwich Street
DATE OF REPORT: 11/11/02
DATE OF ANALYSIS: 11/11/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (struc./cm ²)	TOTAL ASBESTOS AIR CONC. (struc./cm ³)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR STRUCT. 0.55-5.0µm	AIR CONC. FOR STRUCT. 5-20µm	ASBEST. TYPE CHRYS.	ADDITIONAL ASBEST. TYPE SPECIFY
09	T02-11-055-3980	Side of building north	1200	5	0.0672	0.0048	<0.0048	<14.89	NA	NA	NA	NA
10	T02-11-055-3981	Side of building south	1080	6	0.0806	0.0044	0.0044	12.41	0.0044	<0.0044	Chrys.	NA
11	T02-11-055-3982	Side of building central	1200	5	0.0672	0.0048	<0.0048	<14.89	NA	NA	NA	NA
12	T02-11-055-3983	Side of building east	1200	5	0.0672	0.0048	<0.0048	<14.89	NA	NA	NA	NA
13	T02-11-055-3984	Side of building west	1200	5	0.0672	0.0048	<0.0048	<14.89	NA	NA	NA	NA

ANALYST
E. Dimitrakas

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.

TEL:

JAN 03, 01

3:17 PM NO. 001 P.03

228 East 45th Street
New York, NY 10017
(212) 922-9077
Fax (212) 922-0630

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

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24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

P.O. _____

CLIENT: DEP
PROJECT: WTC
LOCATION: 135 Greenwich St

W&P FILE #: 1072-01-02
LABORATORY: WSP
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: WEST G. HARRIS

CONTACT: M. VOLAN

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE		TIME		TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
				START	STOP	ON	OFF			
09	SIDE OF BUILDING NORTH	3		10	10	1425	1625	120	1200	
10	SIDE OF BUILDING SOUTH			9	9	1426	1626	120	1080	
11	SIDE OF BUILDING CENTER			10	10	1427	1627	120	1200	
12	SIDE OF BUILDING EAST			10	10	1429	1629	120	1200	
13	SIDE OF BUILDING WEST	3		10	10	1430	1630	120	1200	
14	FR									
15	FR									
16	FR									
By ORDER OF DEP INSPECTOR										

COMMENTS:

T02-11-055

SAMPLE BY: <u>WEST G. HARRIS</u>	DATE: <u>11-20-02</u>
SIGNATURE: <u>[Signature]</u>	
RELEASED BY: _____	DATE: _____
SIGNATURE: _____	
RECEIVED BY: <u>A. CATERA</u>	DATE: <u>11/1/02</u>
SIGNATURE: <u>[Signature]</u>	

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

TEL:

Jan 03, 01

8:16 No. 001 P. 04