


ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7490

Fax. (718) 784-4085

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-09-028

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

 AVERAGE G.O. AREA (mm²): 0.013771

PROJECT: NYC DEP, 41 John St.

DATE OF REPORT: 09/09/02

DATE OF ANALYSIS: 09/09/02

 EFFECTIVE FILTER AREA (mm²): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O. % ANAL. VZED	AREA ANAL. ZED (mm ²)	ANALYT. SENSITIV. (struct./cm ³)	TOTAL ASBESTOS AIR CONC. (struct./cm ³)	TOTAL ASBESTOS FILTER CONC. (fibre/mm ²)	AIR CONC. FOR STRUCT. 0.55-5µm	AIR CONC. FOR STRUCT. ≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-09-028-2204	Entrance to roof	1680	4	0.0551	0.0042	0.0083	36.31	<0.0042	0.0083	Chrys.	NA
02	T02-09-028-2205	Below the roof	1680	4	0.0551	0.0042	0.0042	18.15	<0.0042	0.0042	Chrys.	NA
03	T02-09-028-2206	East side of roof	1680	4	0.0551	0.0042	<0.0042	<18.15	NA	NA	NA	NA
04	T02-09-028-2207	West side of roof	1680	4	0.0551	0.0042	0.0042	18.15	<0.0042	0.0042	Chrys.	NA
05	T02-09-028-2208	Decon	1680	4	0.0551	0.0042	<0.0042	<18.15	NA	NA	NA	NA

 ANALYST
E. Dimitrakas

 LABORATORY DIRECTOR
Shiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AESI) is responsible for information submitted to clients 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 FV/LAP 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.

**228 East 45th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0630**

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

Fax (212) 922-0530

	24 hr ⁺ /a	12 hr ⁺ /a	6 hr ⁺ /a	3 hr ⁺ /a	Immediate ⁺ /a
1	100	100	100	100	100
2	100	100	100	100	100
3	100	100	100	100	100
4	100	100	100	100	100
5	100	100	100	100	100
6	100	100	100	100	100
7	100	100	100	100	100
8	100	100	100	100	100
9	100	100	100	100	100
10	100	100	100	100	100
11	100	100	100	100	100
12	100	100	100	100	100
13	100	100	100	100	100
14	100	100	100	100	100
15	100	100	100	100	100
16	100	100	100	100	100
17	100	100	100	100	100
18	100	100	100	100	100
19	100	100	100	100	100
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21	100	100	100	100	100
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23	100	100	100	100	100
24	100	100	100	100	100
25	100	100	100	100	100
26	100	100	100	100	100
27	100	100	100	100	100
28	100	100	100	100	100
29	100	100	100	100	100
30	100	100	100	100	100
31	100	100	100	100	100
32	100	100	100	100	100
33	100	100	100	100	100
34	100	100	100	100	100
35	100	100	100	100	100
36	100	100	100	100	100
37	100	100	100	100	100
38	100	100	100	100	100
39	100	100	100	100	100
40	100	100	100	100	100
41	100	100	100	100	100
42	100	100	100	100	100
43	100	100	100	100	100
44	100	100	100	100	100
45	100	100	100	100	100
46	100	100	100	100	100
47	100	100	100	100	100
48	100	100	100	100	100
49	100	100	100	100	100
50	100	100	100	100	100
51	100	100	100	100	100
52	100	100	100	100	100
53	100	100	100	100	100
54	100	100	100	100	100
55	100	100	100	100	100
56	100	100	100	100	100
57	100	100	100	100	100
58	100	100	100	100	100
59	100	100	100	100	100
60	100	100	100	100	100
61	100	100	100	100	100
62	100	100	100	100	100
63	100	100	100	100	100
64	100	100	100	100	100
65	100	100	100	100	100
66	100	100	100	100	100
67	100	100	100	1	

P.O.

CLIENT: NYC DEP
PROJECT: ROOF
LOCATION: 41 JEFFERSON ST

W&P FILE #: 1079-10-02

LABORATORY:

PROJECT: R008
LOCATION: 41 North St

ANALYSIS METHOD:	PCM	TEAM	TEM
circle one	7400	AHEDB	EPA LEV

TECHNICIAN: F8371 RXS imk/820

TECHNICIAN: FESTY OSEWALD

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
01	SAMPLE TO ROOF	3		4 4	0900 1600	420	1680	
02	BELOW THE ROOF	3		4 4	0902 1602	420	1680	
03	EAST SIDE OF ROOF	3		4 4	0904 1604	420	1680	
04	WEST " "	3		4 4	0906 1606	420	1680	
05	DECON	3		4 4	0908 1608	420	1680	
06	BLANK							
07	" "							
08	" "							

CONCACAF:

T02-09-028

SAMPLE BY: FESTY OSEWNE DATE: 09-08-02
SIGNATURE: [Signature]
RELEASED BY: FESTY OSEWNE DATE: 09-08-02
SIGNATURE: [Signature]
RECEIVED BY: A. C. J. GALT DATE: 9/9/02
SIGNATURE: [Signature]

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

SEE REVERSE SIDE FOR ANALYSIS INFORMATION