



ATHENICA

ENVIRONMENTAL SERVICES INC.
PA (718) 784-7490
Fax: (718) 784-4083

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P. C.
LABORATORY ID #: T02-07-038
ANALYT. METHODOLOGY: AHERA
EFFECTIVE FILTER AREA (mm²): 385
AVERAGE G.O. AREA (mm²): 0.008643

PROJECT: NYC DEP, 50 Broadway
DATE OF REPORT: 07/29/02
DATE OF ANALYSIS: 07/29/02

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (microg/cm ³)	TOTAL ASBESTOS AIR CONC. (microg/cm ³)	TOTAL ASBESTOS FILTER CONC. (microg/cm ³)	AIR CONC. FOR 0.55<=d<=5.0um	AIR CONC. FOR STRUCT. S>5.0um	ASBEST. TYPE CHRYS.	AMPLIFIER ASBEST. TYPE SFR01FV
1	T02-07-038-1134	In Remote Decon	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
2	T02-07-038-1135	East side of Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
3	T02-07-038-1136	West Side of Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
4	T02-07-038-1137	North East Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
5	T02-07-038-1138	South side Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA

Sam P. [Signature]

ANALYST
E. Dimilrakas

LABORATORY DIRECTOR
Spito Dengaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 161958, ELAP 10955

- Athenica Environmental Services Inc. (AES Inc.) is a certified laboratory for asbestos analysis by Transmission Electron Microscopy (TEM) under contract to the U.S. Environmental Protection Agency (EPA).
- 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.

2228 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) 922-0630

	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
20	100	100	100	100	100
21	100	100	100	100	100
22	100	100	100	100	100
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	

W&P FILE #: 1079.01.02

LABORATORY:

ANALYSIS METHOD:	PCM	TEM	TEM
LABORATORY:			

ANALYSIS METHOD:	PCM	TEM	TEM
circle one	7400	ALTEBA	EPA LEVEL II

TECHNICIAN: EDWIN B. ELLIS

CONTACT:

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./Gc.)
01	N. REMOTE DECON	3		6 6	0900 1300	240	1440	
02	EASTSIDE OF ROAD	3		6 6	0901 1301	240	1440	
03	WESTSIDE OF ROAD	3		6 6	0902 1302	240	1440	
04	NORTH EAST ROAD	3		6 6	0904 1304	240	1440	
05	SOUTH SIDE ROAD	3		6 6	0905 1305	240	1440	
06	FIELD BLANK							
07	FIELD BLANK							
08	FIELD BLANK (GRAVED)							

COMMENTS:

6m-1n-7n1

SAMPLE BY: E. E. L. S. DATE: 7/28/02

SIGNATURE: Eda B. Ell-~~er~~

RELEASED BY: 51144 DATE: 7/28/02

SIGNATURE: [Signature]

RECEIVED BY: E. Siarhin DATE: 7/29/02

SIGNATURE: _____

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

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

TEL :

Sep 17, 00

1:59 No.001 P.03



ATHENICA
ENVIRONMENTAL SERVICES INC.
Tel: (718) 796-7900
Fax: (718) 796-4035

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-07-031
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.00643

PROJECT: NYC DEP, 50 Broadway
DATE OF REPORT: 07/28/02
DATE OF ANALYSIS: 07/29/02
EFFECTIVE FILTER AREA (mm²): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

LABORATORY RESULTS

CLIENT #	LAB ID	LOCATION	VOLUME (ft ³)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (ferrul/cm ³)	TOTAL ASBESTOS AIR CONC. (ferrul/cm ³)	TOTAL ASBESTOS FILTER CONC. (ferrul/cm ³)	AIR CONC. FOR STRUCT. 0.55-5.0um	AIR CONC. FOR STRUCT. >5.0um	ASBEST. TYPE CHRYE.	ASBEST. TYPE SPECIFY
01	T02-07-031-1099	By remote document	1500	6	0.0519	0.0049	<0.0049	<19.28	NA	NA	NA	NA
02	T02-07-031-1100	East side of roof	1500	6	0.0519	0.0049	<0.0049	<19.28	NA	NA	NA	NA
03	T02607-031-1101	West side of roof	1500	6	0.0519	0.0049	<0.0049	<19.28	NA	NA	NA	NA
04	T02-07-031-1102	Northeast of roof	1500	6	0.0519	0.0049	<0.0049	<19.28	NA	NA	NA	NA
05	T02-07-031-1103	Middle of roof	1500	6	0.0519	0.0049	<0.0049	<19.28	NA	NA	NA	NA

ANALYST
E. Stokri

LABORATORY DIRECTOR
Spino Douglas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AESI), is responsible only for information pertaining to samples taken by its employees.
- No sampling containers will be stored for sixty (60) days. AESI Inc., should be notified within this time frame for a true duplicate analysis.
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07/28/2002 10:41 FAX 718 764 4083

6002

PAGE: OF

P.O.

CONTACT:

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

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

W&P FILE #: 1079.01.02

LABORATORY:

ANALYSIS METHOD: PCM TEM
circle one 7400 AHERA EPA LEVEL II

TECHNICIAN: EDWIN G. ELLIS JR

CLIENT: NYC DEP

PROJECT: ROOFS/FACADES

LOCATION: 50 BROADWAY

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)
01	IN REMOTE DECON	3		5 5	1400 1900	300	1500	
02	EASTSIDE OF ROOF	3		5 5	1401 1901	300	1500	
03	WESTSIDE OF ROOF	3		5 5	1402 1902	300	1500	
04	NORTHEAST OF ROOF	3		5 5	1403 1903	300	1500	
05	MIDDLE OF ROOF	3		5 5	1404 1904	300	1500	
06	FIELD BLANK							
07	FIELD BLANK							
08	FIELD BLANK							

COMMENTS:

702-07-03L

SAMPLE BY:	DATE: 7/23/02
SIGNATURE:	
RELEASED BY:	DATE: 7/23/02
SIGNATURE:	1:30 PM
RECEIVED BY:	DATE: 7/23/02
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