



ATHENICA

ENVIRONMENTAL SERVICES INC.
Tel: (718) 784-7490
Fax: (718) 784-4085

CLIENT: Warden & Pauzer Engineers, P.C.
LABORATORY ID #: T02-08-111
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.012422

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

PROJECT: NYC DEP, 40 Exchange Place, NYC
DATE OF REPORT: 08/23/02
DATE OF ANALYSIS: 08/22/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (struct/cm ²)	TOTAL ASBESTOS AIR CONC. (struct/cm ²)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR STRUCT. 0.556-5µm	AIR CONC. FOR STRUCT. S≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
DE 01	T02-08-111-1777	IWA right side of WA 'A'	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
DE 02	T02-08-111-1778	IWA middle of WA 'A'	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
DE 03	T02-08-111-1779	IWA left side of WA 'A'	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
DE 04	T02-08-111-1780	IWA left side of WA 'B'	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
DE 05	T02-08-111-1781	IWA right side of WA 'B'	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA

Sam P. Hines

ANALYST
E. Stouffer

Sam P. Hines

LABORATORY DIRECTOR
Spito Douglas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- 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 Athena 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) 922-0877
Fax (212) 922-0830**

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
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	

P.O.

CLIENT: NYC DEP

PROJECT: 40 EXCHANGE PL NYC

LOCATION:

W&P FILE #: 20-10-679-01-02

LABORATORY: WkP

ANALYSIS METHOD:

circle one

TECHNICIAN: D/PO

CONTACT:

TEMP

EPA | EUSEI II

III-80-601

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTRA- (lb./cc.)
DE01	1WA right side of WA 'A'	3		03 07	1300 1800	300	1500	
DE02	✓ middle - 'A'	3		03 07	1301 1801	300	1500	
DE03	✓ left side - WA 'A'	3		03 07	1302 1802	300	1500	
DE04	✓ left side - 'B'	3		03 07	1303 1803	300	1500	
DE05	✓ right side - 'B'	3		03 07	1305 1805	300	1500	
DE06	field Blank	1			NA			
DE07	✓ -	1			NA			
DE08	Sealed Blank	1			NA			

1971

Stop $f'/g' = 0.7$

$$AV = \frac{3+7}{2} = \frac{10}{2} = 5 \text{ final f/rate}$$

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

SAMPLE BY: Dpo Eleno DATE: 8/2/02

SIGNATURE: [Signature]

RELEASED BY: Diplo Pina DATE: 8/21/02

SIGNATURE: _____

RECEIVED BY: E. S. Jordan DATE: 8/22/02

SIGNATURE: _____