



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel: (718) 784-7498

Fax: (718) 784-4085

CLIENT: Warden & Panzer Engineers, P.C.

LABORATORY ID #: T02-08-145

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 40 Exchange Place

DATE OF REPORT: 08/28/02

DATE OF ANALYSIS: 08/28/02

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. SENSITIV. (strand/ft ³)	TOTAL ASBESTOS AIR CONC. (strand/cm ³)	TOTAL ASBESTOS FILTER CONC. (strand/cm ²)	AIR CONC. FOR STRICT. 0.55 strand/cm ³	AIR CONC. FOR STRUCT. S25.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
11WA	T02-08-145-1964	On roof center of work area	1800	4	0.0497	0.0043	<0.0043	<20.13	NA	NA	NA	NA
21WA	T02-08-145-1965	On roof north section of WA	1800	4	0.0497	0.0043	<0.0043	<20.13	NA	NA	NA	NA
31WA	T02-08-145-1966	On roof south section of WA	1800	4	0.0497	0.0043	<0.0043	<20.13	NA	NA	NA	NA
41WA	T02-08-145-1967	On roof 15ft of door access to the roof	1800	4	0.0497	0.0043	<0.0043	<20.13	NA	NA	NA	NA
50WA	T02-08-145-1968	On roof 1ft of door entrance to roof	1800	4	0.0497	0.0043	<0.0043	<20.13	NA	NA	NA	NA

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
Spiro Dougenis

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.

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

CLIENT: **DED** W&P FILE #: **1079.01.02**

LABORATORY: Warren and Panzer
CONTACT: Mr. Michael Nolan
PROJECT: DEP-Sampling

LOCATION: 40 Exchange Place NY, NY

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

TECHNICIAN: *Yury Bedin:*

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTRATION (lb./cc.)
1 IWA	on Roof. Center of Wood Area	3		4.0	4.0	8:55	16:25	4:50	1800	
2 IWA	on Roof. North Section of W.A.	3		4.0	4.0	8:57	16:27	4:50	1800	
3 IWA	on Roof. South Section of W.A.	3		4.0	4.0	8:59	16:29	4:50	1800	
4 IWA	on Roof. 15 Ft. Down stairs to the Roof.	3		4.0	4.0	9:01	16:31	4:50	1800	
5 OWA	on Roof. 1 Ft. of Down E.H. to Roof.	3		4.0	4.0	9:03	16:33	4:50	1800	
6 —	Field Blank —	1								
7 —	Field Blank —	1								
8 —	CB —	1								

SAMPLE BY: Yuriy Bedin DATE: 8-27-02.

SIGNATURE: U. B. L.

RELEASED BY: Yury, Babin DATE: 8-27-02

SIGNATURE: Cheryl Padin Released - 18:00 PM

RECEIVED BY: A. CATTAL DATE: 5/10/03

SIGNATURE: _____

T02-05-145

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

FREE REVERSE SIDE FOR ANALYSIS (REPLICATION)