

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (718) 794-7490
Fax. (718) 794-4085

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T03-01-008
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.012820

PROJECT: NYC DEP, 15 Park Row
DATE OF REPORT: 01/11/03
DATE OF ANALYSIS: 01/11/03
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (struct./cm ³)	TOTAL ASBESTOS AIR CONC. (struct./cm ³)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR STRUCT. 0.55S-5µm	AIR CONC. FOR STRUCT. ≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T03-01-008-034	Personal decon	1611	4	0.0513	0.0047	<0.0047	<19.50	NA	NA	NA	NA
02	T03-01-008-035	28 th floor south side	1608	4	0.0513	0.0047	<0.0047	<19.50	NA	NA	NA	NA
03	T03-01-008-036	28 th floor south side	1608	4	0.0513	0.0047	<0.0047	<19.50	NA	NA	NA	NA
04	T03-01-008-037	27 th floor west side-courtyard	1608	4	0.0513	0.0047	<0.0047	<19.50	NA	NA	NA	NA
05	T03-01-008-038	27 th floor west side courtyard	1608	4	0.0513	0.0047	<0.0047	<19.50	NA	NA	NA	NA

E. Sioukri

ANALYST
E. Sioukri

Sp. D. Dongaris

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.

**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

PAGE OF

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FO

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

W&P FILE #: 1079

CONTACT: Mr. Ho -

LABORATORY: *Q. A. Nelson*

LABORATORY: *APR 1968*

ANALYSIS METHOD: PCM TEM TEM

ANALYSIS METHOD: PCM
circle one

TECHNICIAN:

[illegible]

COMMENTS:

SAMPLE BY: <u>J. Burgess</u>	DATE: <u>11-10-03</u>
SIGNATURE: <u>J. Burgess</u>	
RELEASED BY: <u>J. Burgess</u>	DATE: <u>11-10-03</u>
SIGNATURE: <u>J. Burgess</u>	
RECEIVED BY: <u>A. CHAN</u>	DATE: _____
SIGNATURE: <u>A. Chan</u>	

103 01-008

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



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7490

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P. C.
LABORATORY ID #: T03-01-009
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.012820

PROJECT: NYC DBP, 15 Park Row
DATE OF REPORT: 01/11/03
DATE OF ANALYSIS: 01/11/03
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (struc./cm ³)	TOTAL ASBESTOS AIR CONC. (struc./cm ³)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR 0.5S<5µm	AIR CONC. FOR STRUCT. S≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T03-01-009-039	IWA right side 26 th floor	1440	5	0.0641	0.0042	<0.0042	<15.60	NA	NA	NA	NA
02	T03-01-009-040	IWA middle 26 th floor	1440	5	0.0641	0.0042	<0.0042	<15.60	NA	NA	NA	NA
03	T03-01-009-041	IWA left side 26 th floor	1440	5	0.0641	0.0042	<0.0042	<15.60	NA	NA	NA	NA
04	T03-01-009-042	IWA right side 10 th floor	1440	5	0.0641	0.0042	<0.0042	<15.60	NA	NA	NA	NA
05	T03-01-009-043	IWA left side 10 th floor	1440	5	0.0641	0.0042	0.0042	15.60	0.0042	<0.0042	Chrys.	NA

E. Sioukri

ANALYST
E. Sioukri

Emilio Dongaris

LABORATORY DIRECTOR
Spiro Dongaris

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