

TEL:

Jan 03, 01

8:19 No.001 P.13

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel: (718) 784-7498
Fax: (718) 784-4085**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

CLIENT: Warner & Panzer Engineers, P.C.

LABORATORY ID #: T02-11-063

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: MCE

AVERAGE G.O. AREA (mm²): 0.013413

PROJECT: NYC DEP, 100 Church Street

DATE OF REPORT: 11/13/02

DATE OF ANALYSIS: 11/13/02

EFFECTIVE FILTER AREA (mm²): 385**LABORATORY RESULTS**

CLIENT #	LAB. ID #	LOCATION	VOLUME (m)	ANAL. YZED	AREA ANALY ZED (mm ²)	ANALYT. SENSITIV. (m ² /mm ²)	TOTAL ASBESTOS AIR CONC. (det./mm ³)	TOTAL ASBESTOS FILTER CONC. (det./mm ³)	AIR CONC. FOR STRICT. 4.55-4.94 µm	AIR CONC. FOR STRICT. 5.24-9.0 µm	ASBEST. TYPE CURVE	ASBEST. TYPE SPECIFY
ID01	T02-11-063-4020	FWA upper roof 3 rd	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA
ID02	T02-11-063-4021	FWA upper roof 2 nd	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA
ID03	T02-11-063-4022	FWA upper roof 1 st	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA
ID04	T02-11-063-4023	FWA exit to the upper roof	1660	4	0.0537	0.0043	0.0086	37.22	0.0043	0.0043	Chrys.	NA
ID05	T02-11-063-4024	By the deck	1660	4	0.0537	0.0043	<0.0043	<18.61	NA	NA	NA	NA

ANALYST

E. Shinkai

LABORATORY DIRECTOR

Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101938, ELAP 10955

- Athenica Environmental Services Inc. (AES) is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassette 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 asbestos 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.
- This report relates only to stated period. This report must not be used to claim product enhancement 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.

TEL :

Jan 03, 01

8:19 No.001 P.12

228 East 45th Street
New York, NY 10017
(212) 822-0077
Fax (212) 822-0630

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE 1 OF 1

CLIENT: NYC DEP

PROJECT: 100 Church St

LABORATORY: WAP P
ANALYSIS METHOD: PCM
TECHNICIAN: EDG EDG

CONTACT: Michael Nolan

24 hr⁺/a

12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate⁺/a

P.O.

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (mg/m ³)
1001	1001 UPPER ROOF 3 RD	3		4 4	0650	1325	415	1660	
1002	1002 UPPER ROOF 2 RD	3		4 4	0631	1326	415	1660	
1003	1003 UPPER ROOF 1ST	3		4 4	0632	1327	415	1660	
1004	1004 1004 1004 UPPER ROOF	3		4 4	0633	1328	415	1660	
1005	1005 BY MA DECON	3		4 4	0636	1331	415	1660	
1006	1006 Field blank	1			N/A				
1007	1007 Field blank	1			N/A				
1008	1008 Sealed blank	1			N/A				

COMMENTS:

T02-11-063

SAMPLE BY: EDG EDG DATE: 11-12-00

SIGNATURE: [Signature] DATE: 11-12-00

RELEASED BY: EDG EDG DATE: 11-12-00

SIGNATURE: [Signature] DATE: 11-12-00

RECEIVED BY: A. CAJ [Signature] DATE: 11/12/00

SIGNATURE: [Signature]

SAMPLE TIME 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