


ATHENICA

ENVIRONMENTAL SERVICES INC.

 Tel. (718) 784-7490
 Fax. (718) 784-4085

 CLIENT: Warren & Panzer Engineers, P. C.
 LABORATORY ID #: T02-08-072
 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, 50 Broadway Street
 DATE OF REPORT: 08/15/02
 DATE OF ANALYSIS: 08/15/02
 EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (picol/cm ²)	TOTAL ASBESTOS AIR CONC. (picol/cm ²)	TOTAL ASBESTOS FILTER CONC. (picol/cm ²)	AIR CONC. FOR 0.55-5µm	AIR CONC. FOR STRUCT. S>5.0µm	ASBEST. TYPE CHRYS.	AMPLIFIER ASBEST. TYPE SPECIFY
ID 01	T02-08-072-1559	IWA left side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID 02	T02-08-072-1560	IWA second left side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID 03	T02-08-072-1561	IWA south side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID 04	T02-08-072-1562	IWA middle of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID 05	T02-08-072-1563	IWA south east of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA

 ANALYST
 E. SHORR

 LABORATORY DIRECTOR
 Spiro Tsoungas

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 NVI, AP 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 46th Street
New York, NY 10017
(212) 922-0377
Fax (212) 922-0630

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

P.O.

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

W&P FILE #: 1079-01-02

LABORATORY: W&P

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

TECHNICIAN: IDRIS IDOWU

CONTACT: MICHAEL NOLAN

CLIENT: NYC DEP
PROJECT: 50 BROAD ST. NYC
LOCATION: FACADE

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (fib./cc.)
ID 01	IWA Left Side of WA (roof)	3		03	03	1000	1800	480	1440	
ID 02	IWA Second Left Side of WA (roof)	3		03	03	1001	1801	480	1440	
ID 03	IWA South Side WA (roof)	3		03	03	1002	1802	480	1440	
ID 04	IWA Middle of WA (roof)	3		03	03	1003	1803	480	1440	
ID 05	IWA South East of WA (roof)	3		03	03	1005	1805	480	1440	
ID 06	Field Blank	1					N/A			
ID 07	Field Blank	1					N/A			
ID 08	Sealed Blank	1					N/A			

SAMPLE BY: IDRIS IDOWU DATE: 08/14/02
SIGNATURE: *IDris Idowu*
RELEASED BY: IDRIS IDOWU DATE: 08/14/02
SIGNATURE: *IDris Idowu*
RECEIVED BY: *E. Spitzer* DATE: 8/15/02
SIGNATURE: *ES*

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

702-08-072


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ENVIRONMENTAL SERVICES INC.

Tel. (716) 784-7490

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CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-09-023

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

 AVERAGE G.O. AREA (mm²): 0.013771

PROJECT: NYC DEP, 50 Broadway

DATE OF REPORT: 09/08/02

DATE OF ANALYSIS: 09/08/02

 EFFECTIVE FILTER AREA (mm²): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY
LABORATORY RESULTS

CLIENT #	LAB ID #	LOCATION	VOLUME (L)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (pmc/cm ³)	TOTAL ASBESTOS AIR CONC. (pmc/cm ³)	TOTAL ASBESTOS FILTER CONC. (pmc/mm ²)	AIR CONC. FOR STRUCT. 0.5-5.0µm	AIR CONC. FOR STRUCT. 3-5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPCRY
01	T02-09-023-2179	Outside-North	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
02	T02-09-023-2180	Outside-South	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
03	T02-09-023-2181	Outside-West	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
04	T02-09-023-2182	Outside-Center	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
05	T02-09-023-2183	On the landing	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA

ANALYST

E. S. G. G. G.

LABORATORY DIRECTOR

Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

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

W&P FILE #: 1079-01-02

LABORATORY: W&P

ANALYSIS METHOD: PCM TEM
circle one 7403 AIHRA EPA LEVEL II

TECHNICIAN:

CLIENT:

PROJECT:

LOCATION:

CONTACT: M. Nolan

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P.O.

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lib./cc.)
1	OUTSIDE - NORTH	3		5	1000 1600	360	1800	
2	OUTSIDE - SOUTH	3		5	1000 1600	360	1800	
3	OUTSIDE - WEST	3		5	1001 1601	360	1800	
4	OUTSIDE - EAST	3		5	1002 1602	360	1800	
5	IN THE CANOPY	3		5	1003 1603	360	1800	
6	FB							
7	FB							
8	FB							

SAMPLE BY: D West
SIGNATURE: [Signature]
RELEASED BY: [Signature]
SIGNATURE: [Signature]
RECEIVED BY: A. C. [Signature]
SIGNATURE: [Signature]

DATE: 9-7-02
DATE: 9-2-02
DATE: 9/8/02

T0209-023

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