

AUG-14-2002 16:38

BRNHM LABORATORY UNIT

P.02

228 East 46th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0500

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

PAGE 1 OF 1

CLIENT: NYC DEPW&P FILE #: 1079.01.02PROJECT: 50 Broad St.

LABORATORY:

CONTACT: Mike D'AmicoLOCATION: 50 Broad St.ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL IITECHNICIAN: ELLEN COATES

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (µb./cc.)
001	FRONT OF 50 BROAD STREET	3		3.5	10:30	16:30	360	1260	
002	1ST FLOOR W/400	3		3.5	10:31	16:31	360	1260	
003	FRONT OF 50 BROAD STREET (W/400)	3		3.5	10:32	16:32	360	1260	
004	FRONT OF 50 BROAD STREET (W/400)	3		3.5	10:33	16:33	360	1260	
005	FRONT OF 50 BROAD STREET (W/400)	3		3.5	10:34	16:34	360	1260	
006	FIELD BLANK	1							
007	FIELD BLANK	1							
008	FIELD BLANK	1							

COMMENTS:

702-08-053

SAMPLE BY: ELLEN COATES DATE: 8/14/02

SIGNATURE: [Signature]

RELEASED BY: [Signature] DATE: 8/14/02

SIGNATURE: [Signature]

RECEIVED BY: E. SINGH DATE: 8/14/02

SIGNATURE: [Signature]

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

TOTAL P.02



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

PROJECT: NYC DEP, 50 Broadway Street
DATE OF REPORT: 08/15/02
DATE OF ANALYSIS: 08/15/02
EFFECTIVE FILTER AREA (mm²): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

LABORATORY RESULTS

CLIENT #	LAB #	LOCATION	VOL. (ml)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (picogram/cm ²)	TOTAL ASBESTOS AIR CONC. (picogram/cm ²)	TOTAL ASBESTOS FILTER CONC. (picogram/cm ²)	AIR CONC. FOR 0.55-5.0um	AIR CONC. FOR STRUCT. S-5.0um	ASBEST. TYPE CHRYS.	AMPHIB. 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

Sam P. H. 8.15.02

ANALYST
E. SIOUGH

Sam P. H. 8.15.02

LABORATORY DIRECTOR
Spino Traugott

LABORATORY CERTIFICATION NUMBERS: NVLAP 10195R, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling facilities 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.

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WARREN & PANZER ENGINEERS, P.C. AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE 1 OF 1

P.O.

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

W&P FILE #: 1079-01-02

LABORATORY: W.K.P.

CONTACT: MICHAEL NOLAN

CLIENT: NYC DEP

PROJECT: 50 BROAD ST. NYC

LOCATION: FACADE

ANALYSIS METHOD: PCM
circle one 7400 AHERA EPA LEVEL II

TECHNICIAN: IDRIS IDOWU

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE 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: <i>Idris Idowu</i>	
RELEASED BY: IDRIS IDOWU	DATE: 08/14/02
SIGNATURE: <i>Idris Idowu</i>	
RECEIVED BY: <i>E. Spackin</i>	DATE: 8/15/02
SIGNATURE: <i>ES</i>	

702-08-072

SAMPLE TYPE CODES			
1 - Blank	2 - Pre-Abatement	5 - Final Clearance (inside)	
3 - During Abatement	4 - During Glove Bag Removal	6 - Final Clearance (outside)	
		7 - Personal	
		8 - Background	

SEE REVERSE SIDE FOR ANALYSIS INFORMATION


ATHENICA

ENVIRONMENTAL SERVICES INC.

 Tel. (718) 764-7400
 Fax. (718) 764-4085

 CLIENT: Waines & Panzer Engineers, P.C.
 LABORATORY ID #: T02-08-084
 ANALYT. METHODOLOGY: AHERA
 FILTER TYPE: M.C.E.
 AVERAGE G.O. AREA (mm²): 0.012422

 PROJECT: NYC DEP, 50 Broad Street
 DATE OF REPORT: 08/16/02
 DATE OF ANALYSIS: 08/16/02
 EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID	LOCATION	VOLUME (ft ³)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (direct/cm)	TOTAL ASBESTOS AIR CONC. (direct/cm)	TOTAL ASBESTOS FILTER CONC. (direct/mm ²)	AIR CONC. FOR STRUCT. 0.5-5.0um	AIR CONC. FOR STRUCT. 5-25.0um	ASBEST. TYPE CHRUS.	AMPHIB. ASBEST. TYPE SPECIFY
ID01	T02-08-084-1622	IWA right side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID02	T02-08-084-1623	IWA south side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID03	T02-08-084-1624	IWA east side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID04	T02-08-084-1625	IWA left side of WA (roof)	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
ID05	T02-08-084-1626	IWA second left side of WA	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA

 ANALYST
 E. Shoukri

 LABORATORY DIRECTOR
 Spiro Donganis

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.
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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

PAGE 1 OF 1
P.O. _____

CLIENT: NYC DEP
PROJECT: 50 BRAD ST NY
LOCATION: FACAD E

W&P FILE #: 1079-01-02
LABORATORY: _____
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AMERA EPA LEVEL II
TECHNICIAN: TDKIS TDENVY

CONTACT: Michael Adams

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)
ID 01	IWA right side of WA (roof)	3		03	03	0905	1705	480	1440	
ID 02	IWA south side of WA (roof)	3		03	03	0906	1706	480	1440	
ID 03	IWA east side of WA (roof)	3		03	03	0907	1707	480	1440	
ID 04	IWA left side of WA (roof)	3		03	03	0909	1709	480	1440	
ID 05	IWA second left side of WA	3		03	03	0910	1710	480	1440	
ID 06	Field Blank	1				N/A				
ID 07	Field Blank	1				N/A				
ID 08	Sealed Blank	1				N/A				

COMMENTS:

702-08-084

SAMPLE BY: TDKIS TDENVY DATE: 08/16/02
SIGNATURE: TDKIS TDENVY
RELEASED BY: TDKIS TDENVY DATE: 08/16/02
SIGNATURE: TDKIS TDENVY
RECEIVED BY: C. Sauer DATE: 8/16/02
SIGNATURE: C. Sauer

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) 784-7420
 Fax. (718) 784-4085

CLIENT: Warren & Paizer Engineers, P.C.

LABORATORY ID #: T02-08-117

ANALYT. METHODOLOGY: AIHERA

FILTER TYPE: M.C.E

 AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 50 Broad St. NYC

DATE OF REPORT: 08/23/02

DATE OF ANALYSIS: 08/22/02

 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. (att./cm ²)	TOTAL ASBESTOS AIR CONC. (struc./cm ³)	TOTAL ASBESTOS FILTER CONC. (att./mm ²)	AIR CONC. FOR STRUCT. 0.55-5µm	AIR CONC. FOR STRUCT. 5.5-10µm	ASBEST. TYPE CHNYS.	AMPHIB. ASBEST. TYPE SPECIFY
ID01	T02-08-117-1807	IWA Left side of WA (roof)	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
ID02	T02-08-117-1808	IWA Second left side of WA (roof)	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
ID03	T02-08-117-1809	IWA middle of WA (roof)	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
ID04	T02-08-117-1810	IWA Exit to the roof	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
ID05	T02-08-117-1811	IWA Right side of WA (roof)	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA

 ANALYST
 E. Dimitrakos

 LABORATORY DIRECTOR
 Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

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AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

Fax (212) 922-0630

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

W&P FILE #: 1079-01-02

CLIENT: NYC DEP
PROJECT: 50 Broad St. NYC
LOCATION: FACADE

LABORATORY: W & P

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

TECHNICIAN: DRIS IDOLM

CONTACT: MICHAEL KOZLAK

PAGE 1 OF 1

P.O.

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE		TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (fib./cc.)
				START	STOP					
TD01	TWA left side of WA (roof)	3		03	03	0730	1500	450	1350	
TD02	TWA second left side of WA (roof)	3		03	03	0731	1501	450	1350	
TD03	TWA middle of WA (roof)	3		03	03	0732	1502	450	1350	
TD04	TWA East to the roof	3		03	03	07	1503	450	1350	
TD05	TWA right side of WA (roof)	3		03	03	0735	1505	450	1350	
TD06	Field Blank	1					N/A			
TD07	Field Blank	1					N/A			
TD08	Sealed Blank	1					N/A			

0-10-870000.

102-08-111

SAMPLE BY: <u>EDRIS IDOWU</u>	DATE: <u>08/21/02</u>
SIGNATURE: <u>[Signature]</u>	
RELEASED BY: <u>EDRIS IDOWU</u>	DATE: <u>08/21/02</u>
SIGNATURE: <u>[Signature]</u>	
RECEIVED BY: <u>A. CATALGAL</u>	DATE: <u>8/22/02</u>
SIGNATURE: <u>[Signature]</u>	

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
Fax. (718) 784-4095

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warner & Panzer Engineers, P.C.
LABORATORY ID #: T02-08-127

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 50 Broad St.

DATE OF REPORT: 08/25/02

DATE OF ANALYSIS: 08/25/02

EFFECTIVE FILTER AREA (mm²): 185

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANAL. VZED	AREA ANALY. ZED (mm ²)	ANALYT. SENSITIV. (fem ² /cm ²)	TOTAL ASBESTOS AIR CONC. (fem ² /cm ²)	TOTAL ASBESTOS FILTER CONC. (fem ² /mm ²)	AIR CONC. FOR STRUCT. 0.55-5µm	AIR CONC. FOR STRUCT. 5-50µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIF.
01	T02-08-127-1874	Roof - South	1200	6	0.0745	0.0043	<0.0043	<13.42	NA	NA	NA	NA
02	T02-08-127-1875	Roof - West	1200	6	0.0745	0.0043	<0.0043	<13.42	NA	NA	NA	NA
03	T02-08-127-1876	Roof - North	1200	6	0.0745	0.0043	<0.0043	<13.42	NA	NA	NA	NA
04	T02-08-127-1877	Street level - North	1200	6	0.0745	0.0043	<0.0043	<13.42	NA	NA	NA	NA
05	T02-08-127-1878	Street level - South	1200	6	0.0745	0.0043	<0.0043	<13.42	NA	NA	NA	NA

Carla Hines

ANALYST
R. Stouckit

Carla Hines

LABORATORY DIRECTOR
Spino Douglas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

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ENVIRONMENTAL SERVICES INC.

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CLIENT: Warren & Penzer Engineers, P.C.

LABORATORY ID #: T02-09-022

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

 AVERAGE G.O. AREA (mm²): 0.013771

PROJECT: NYC DEP, 50 Broad St.

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 (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (fibrils/cm ²)	TOTAL ASBESTOS AIR CONC. (fibrils/cm ³)	TOTAL ASBESTOS FILTER CONC. (gr./mm ²)	AIR CONC. FOR STRUCT. 0.55-5µm	AIR CONC. FOR STRUCT. ≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
001	T02-09-022-2174	Inside roof (E sect.) middle	1326	5	0.0689	0.0042	<0.0042	<14.52	NA	NA	NA	NA
002	T02-09-022-2175	Inside roof (E sect.) Mech. Rm entrance	1326	5	0.0689	0.0042	<0.0042	<14.52	NA	NA	NA	NA
003	T02-09-022-2176	Inside roof (W sect.) middle	1326	5	0.0689	0.0042	<0.0042	<14.52	NA	NA	NA	NA
004	T02-09-022-2177	Inside roof (W sect.) Mech. Rm entrance	1326	5	0.0689	0.0042	<0.0042	<14.52	NA	NA	NA	NA
005	T02-09-022-2178	Inside roof Mech. Rm (Middle)	1326	5	0.0689	0.0042	<0.0042	<14.52	NA	NA	NA	NA

 ANALYST
 E. Stoukris

 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

PAGE OF

P.O.

CLIENT: SEF

W&P FILE #: 1079 01.02

PROJECT: 50 Bedford St.

LABORATORY: Athena

LOCATION: Blkg Enter

ANALYSIS METHOD: PCM TEM TEM

circle one 7400 (AHEBA) EPA LEVEL II

TECHNICIAN: LEW FAIN

CONTACT: M. Nolan

(917) 337-7005

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
001	Inside roof (E sect) - Mech	3		5.2	5.2	18-15	22-20	255	1326	
002	" " " " Mech on floor	3		"	"	18-16	22-31	"	"	
003	" " " " (W sect) - Mech	3		"	"	18-19	22-34	"	"	
004	" " " " Mech on floor	3		"	"	18-20	22-35	"	"	
005	" Mech rm (W sect)	3		"	"	18-22	22-37	"	"	
006	" " " "	1		"	"					
007	" " " "	1		"	"					
008	" " " "	1		"	"					

COMMENTS:

SAMPLE BY: WARREN & PANZER DATE: 9/6/02

SIGNATURE: [Signature]

RELEASED BY: WARREN & PANZER DATE: 9/6/02

SIGNATURE: [Signature]

RECEIVED BY: ACATIGAL DATE: 9/9/02

SIGNATURE: [Signature]

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

09/23/2002 09:26 FAX 7167844085

010/023

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (716) 784-7400
Fax. (716) 784-4085**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-09-074

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.F.

AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 50 Broad Street

DATE OF REPORT: 09/22/02

DATE OF ANALYSIS: 09/22/02

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

CLIENT #	LAB. ID	LOCATION	VOLUME (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (detection limit)	TOTAL ASBESTOS AIR CONC. (detection limit)	TOTAL ASBESTOS FILTER CONC. (detection limit)	AIR CONC. FOR STRUCT. ANALYSIS	AIR CONC. FOR STRUCT. ANALYSIS	ASBEST. TYPE CHRS.	ANALYT. TYPE SPECIF.
01	T02-09-074-2440	At north wall of window (left side)	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
02	T02-09-074-2441	At north wall of window (right side)	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
03	T02-09-074-2442	At north wall of window (center)	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
04	T02-09-074-2443	At north wall 10ft from window (L) side	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
05	T02-09-074-2444	At north wall 10ft from window (R) side	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA

*E. Sioukci*ANALYST
E. Sioukci

LABORATORY CERTIFICATION NUMBERS: NVLAP 101954, ELAP 10955

LABORATORY DIRECTOR
Spiro Dongaris

- Athenica Environmental Services Inc. (AES) is responsible only for information pertaining to samples taken by its employees.
- Air sampling activities will be stated for sixty (60) days. AES Inc. should be notified within that 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 is valid only to clients 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.

09/23/2002 09:27 FAX 7157844085

011/023

22nd East 45th Street
New York, NY 10017

(212) 922-4077

Fax (212) 922-0630

WARREN & PANZER ENGINEERS, P. C.

PAGE 1 OF 1

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

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

P.O.

W&P FILE #:

LABORATORY:

ANALYSIS METHOD:

PCM TEM TEM

7400

AHERA

EPA LEVEL II

CONTACT: H. Nolan

LW#:

SCA JOB#:

TECHNICIAN: Christopher Ramsey

SCA JOB#:

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (ftb/cc)
01	At north wall & window (large side)	3		6	6	09:15	13:15	240	1442
02	At north wall & window (large side)	3		6	6	09:16	13:16		
03	At north wall & window (center)	3		6	6	09:17	13:17		
04	At north wall 10 ft from window (L) side	3		6	6	09:18	13:18		
05	At north wall 10 ft from window (R) side	3		6	6	09:20	13:20		
06	FIELD								
07	Blank								
08	Blank								

COMMENTS:

T02-09-074

SAMPLE BY: Christopher Ramsey	DATE: 9/21/02
SIGNATURE: Christopher Ramsey	
RELEASED BY: Christopher Ramsey	DATE: 9/21/02
SIGNATURE: Christopher Ramsey	
RECEIVED BY: Christopher Ramsey	DATE: 9/23/02
SIGNATURE: Christopher Ramsey	

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) 704-7490
FAX (718) 704-7045

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-10-077

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 50 Broad Street

DATE OF REPORT: 10/13/02

DATE OF ANALYSIS: 10/13/02

EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANAL. VZED	AREA ANALYZED (mm ²)	ANALYT. SENSITV. (extract/ft ³)	TOTAL ASBESTOS AIR CONC. (lbm/ft ³)	TOTAL ASBESTOS FILTER CONC. (μg/ft ³)	AIR CONC. FOR STRUCT. 0.5<S<5μm	AIR CONC. FOR STRUCT. S≥5.0μm	ASBEST. TYPE CHYVS.	ASBEST. TYPE SPECIFY
01	T02-10-077-3071	Inside the court yard (east)	1350	5	0.0692	0.0041	<0.0041	<14.45	NA	NA	NA	NA
02	T02-10-077-3072	Inside the court yard (west)	1345	5	0.0692	0.0041	<0.0041	<14.45	NA	NA	NA	NA
03	T02-10-077-3073	2 nd floor near the entrance to W/A	1350	5	0.0692	0.0041	<0.0041	<14.45	NA	NA	NA	NA
04	T02-10-077-3074	2 nd floor north side	1800	5	0.0692	0.0031	0.0041	14.45	<0.0031	0.0031	Chrys.	NA
05	T02-10-077-3075	Remote decan	1350	5	0.0692	0.0041	<0.0041	<14.45	NA	NA	NA	NA

E. Sioukri

ANALYST
E. Sioukri

[Signature]
10/13/02

LABORATORY DIRECTOR
Spiro Dougaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AESI) is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassette will be stored for sixty (60) days. AESI Inc., should be notified within this time frame for a true duplicate analysis.
- If AESI 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 AESI 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) 922-9077
Fax (212) 922-0930

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

PAGE 1 OF 1

P.O.

W&P FILE #:

CONTACT:

CLIENT: DEP

LABORATORY:

PROJECT: 50 Grand St.

ANALYSIS METHOD: PCM

TEM
EMERA

EPAL LEVEL II

LOCATION: Conrad Yard Lot 4 and 41/5

circle one

TECHNICIAN: Muhammad

DATE: 10/13/02

TIME: 11:20

OFF: 1550

ON: 11:20

STOP: 5

START: 5

PUMP: 3

SAMPLE TYPE: 3

DESCRIPTION/LOCATION: inside NW Court yard (east)

SAMPLE NUMBER: 01

CONCENTR: 1350

VOLUME (liters): 1345

TOTAL TIME: 270

OFF: 1551

ON: 11:22

STOP: 15

START: 5

PUMP: 3

SAMPLE TYPE: 3

DESCRIPTION/LOCATION: inside NW Court yard (west)

SAMPLE NUMBER: 02

CONCENTR: 1350

VOLUME (liters): 1350

TOTAL TIME: 270

OFF: 1555

ON: 11:25

STOP: 10

START: 5

PUMP: 3

SAMPLE TYPE: 3

DESCRIPTION/LOCATION: 2nd floor near entrance to W/H

SAMPLE NUMBER: 03

CONCENTR: 1800

VOLUME (liters): 1800

TOTAL TIME: 180

OFF: 1426

ON: 11:26

STOP: 5

START: 5

PUMP: 3

SAMPLE TYPE: 3

DESCRIPTION/LOCATION: 2nd floor @ North side

SAMPLE NUMBER: 04

CONCENTR: 1350

VOLUME (liters): 1350

TOTAL TIME: 270

OFF: 1559

ON: 11:29

STOP: 5

START: 5

PUMP: 3

SAMPLE TYPE: 3

DESCRIPTION/LOCATION: remote clean

SAMPLE NUMBER: 05

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: P.B.

SAMPLE NUMBER: 06

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---

VOLUME (liters): ---

TOTAL TIME: ---

OFF: ---

ON: ---

STOP: ---

START: ---

PUMP: ---

SAMPLE TYPE: ---

DESCRIPTION/LOCATION: ---

SAMPLE NUMBER: ---

CONCENTR: ---</

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

TOTAL FEET: 55620 0

ASBESTOS INSPECTION REPORT

Basis of Inspection:

TRU1182MN02

FL	SF	LF
faça	42,120	0
roof	13,500	0

ONLY TYPEWRITTEN
APPLICATIONS WILL BE
ACCEPTED

NOTE: ASBESTOS INSPECTION REPORT SHALL BE SUBMITTED
TO NYC DEP NOT LESS THAN ONE WEEK IN ADVANCE
OF START OF THE WORK (ABATEMENT ACTIVITIES)

FEE EXEMPT: Yes

1. \$0.00

START DATE: 8/3/2002 COMPLETION DATE: 8/29/2002

I. FACILITY

ADDRESS: 50 BROAD STREET BORO: MANHATTAN ZIP: 10004

TYPE OFFACILITY: NYC AGENCY BLOCK: 24 LOT: 36

II. BUILDING OWNER

NAME: 50 BROAD STR. INC./50 NEW STR. INC

TEL. #: (212) 425-1058

ADDRESS: n/a n/a CITY: n/a STATE: n/a ZIP: n/a

IV. ASBESTOS ABATEMENT CONTRACTOR

NAME: TRIO ASBESTOS REMOVAL CORP

TEL. #: (718) 961-4100 FEDERAL EMPLOYER IDENTIFICATION #:

PII

ADDRESS: 14-20 129TH STREET CITY: COLLEGE POINT STATE: NY ZIP: 11356

V. THIRD PARTY AIR MONITOR

NAME: WARREN & PANZER ENGINEERS, P.C.

TEL. #: (212) 922-0077

ADDRESS: 228 EAST 45TH STREET CITY: NEW YORK STATE: NY ZIP: 10017

VI. LABORATORY FOR SAMPLE ANALYSIS

NAME: WKP LABORATORIES C/O WARREN & PANZER

NYS ELAP #: 11251

ASBESTOS WORK SCHEDULE ☐ DAY ☐ EVENING ☐ NIGHT ☐ WEEKENDS ☐ WEEKDAYS

INSPECTOR NAME: R. Rammohan SQUAD #: 1 BADGE #: A078

DATE OF INSPECTION: 10/11/02 TIME OF INSPECTION: From: 8:00 AM ☒ PM ☐

To: 6:00 AM ☐ PM ☒

Contact at site: Jan Wolkowicz + 5 Handlers / Trio.

Mohammed : Air Sampling Technician W&P.

Mariam Wiacek - + 4 handlers with the brown truck for facade cleaning at Broad Street.

Project completed. (5)

pl.

Inspection disclosed that the following sections were complied with: (Check all that apply)			
☐ 1-51 - Notifications, Reports, Plan	☐ 1-71 - Air Sampling and Monitoring	☐ 1-91 - Worker Protection	
☐ 1-101 - Materials and Equipment	☐ 1-116 - Work Place Preparation	☐ 1-117 - Worker Decontamination System	
☐ 1-118 - Waste Decontamination System	☐ 1-126 - Engineering Controls	☐ 1-127 - Entry/Exit Procedures	
☐ 1-129 - Maintenance of Barriers	☐ 1-138 - Encapsulation	☐ 1-139 - Enclosure	
☐ 1-140 - Glovebag	☐ 1-141 - Tent	☐ 1-137 - ACM Disturbance, Removal, Handling	
☐ 1-146 - Preliminary Clean-up	☐ 1-147 - Final Clean-up		
☐ Project not started . Inspection			
revealed all ACM to be intact. New start date: <u> </u>			
☐ Project ongoing, expected completion date: <u> </u>			
☐ Project completed on or about: <u> </u> . All surfaces, including abated surfaces are free of visible ACM and encapsulate			
☐ Follow up necessary on <u> </u>			
Samples taken: ☒ No ☐ Yes 1 <u> </u> 2 <u> </u> 3 <u> </u>			
4 <u> </u> 5 <u> </u> 6 <u> </u> Photos taken: ☐ Yes ☒ No			
Additional comments: <u>Two handlers began cleaning ^{Men/cath} Bathroom windows</u> <u>ledges from inside which was not reachable with scaffolding.</u> <u>A second crew of 3 handlers cleaned the window</u> <u>ledges at Broad Street Court yard from floors 1-2-3.</u> <u>At Air samplings were conducted inside building and</u> <u>at court yard. Facade of Liberty Travel was cleaned by Boom Truck.</u> <u>All work completed at the end of the day and this</u> <u>completes the building.</u>			
BORO 1 = MANHATTAN 2 = BRONX 3 = BROOKLYN 4 = QUEENS 5 = STATEN ISLAND RESULT CODES 1 = VIOLATION ISSUED 2 = NO VIOLATION ISSUED 3 = NO ACCESS 4 = PROJECT NOT STARTED (NO NOV) 5 = PROJECT COMPLETED (NO NOV) RESULT CODE 5 SUPERVISOR INITIALS PL			