

07/26/2002 15:46 FAX 718 784 4083

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**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7480
Fax. (718) 784-4083CLIENT: Warren & Paezzer Engineers, P. C.
LABORATORY ID #: T02-07-023
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.008643**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**PROJECT: 176/180 Broadway
DATE OF REPORT: 07/26/02
DATE OF ANALYSIS: 07/26/02
EFFECTIVE FILTER AREA (mm²): 385**LABORATORY RESULTS**

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (str./cm ²)	TOTAL ASBESTOS AIR CONC. (str./cm ²)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR STRUCT. 0.5<S<5µm	AIR CONC. FOR STRUCT. S≥5.6µm	ASBEST. TYPE CHERS.	ASBEST. TYPE SPECIFY
1	T02-07-023-1059	In Decat Clean Room	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
2	T02-07-023-1060	Staircase to Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
3	T02-07-023-1061	North side Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
4	T02-07-023-1062	West side Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA
5	T02-07-023-1063	South side Roof	1440	7	0.0605	0.0044	<0.0044	<16.53	NA	NA	NA	NA

ANALYST
Dr. DimitrakosLABORATORY DIRECTOR
Spiro Dougatis**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 this invoice.

2228 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

24 hr ⁺ /a	12 hr ⁺ /a	6 hr ⁺ /a	3 hr ⁺ /a	Immediate ⁺ /a
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PAGE _____ OF _____

P.O.

CONTACT:

CLIENT: DEP

CLIENT: VER
PROJECT: ROOFS / FACADES

PROJECT: ROOFS/HATCHES
LOCATION: 176/180 BROADWAY

LABORATORY:

ANALYSIS METHOD: PCM
7400
circle one

TECHNICIAN: EDWIN B. ELLIS III

~~TEM~~ TEM

TEM TEM
AHERA EPA LEVEL II

SAMPLE NUMBER	SAMPLE DESCRIPTION LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
01	IN DECON CLEAN ROOM	3		4 4	1000 1600	360	1440	
02	STAIRCASE TO ROOF	3		4 4	1001 1601	360	1440	
03	NORTH SIDE ROOF	3		4 4	1003 1603	360	1440	
04	WEST SIDE ROOF	3		4 4	1005 1605	360	1440	
05	SOUTH SIDE ROOF	3		4 4	1007 1607	360	1440	
06	FIELD BLANK							
07	FIELD BLANK							

700-13-023

DATE: 7/25/07

EXAMPIE BY: F. ELIAS III

SAMPLE BY: C. B. G. L. F.
SIGNATURE: C. B. G. L. F.

DATE: 7/25/07

SIGNATURE: W. J. ...
RELEASED BY: 01 - 001

17:20

RELEASED BY: John E. Galt

DATE/TIME: _____

DATE: 7/26/02

SIGNATURE: _____

RECEIVED BY: E. J. O'Connell

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

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.

PROJECT: NYC DEP, 176 Broadway Street

LABORATORY ID #: T02-07-018

DATE OF REPORT: 07/25/02

ANALYT. METHODOLOGY: AHERA

DATE OF ANALYSIS: 07/25/02

FILTER TYPE: M.C.E.

EFFECTIVE FILTER AREA (mm²): 385AVERAGE G.O. AREA (mm²): 0.008643**LABORATORY RESULTS**

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (struct./cm ²)	TOTAL ASBESTOS AIR CONC. (struct./cm ³)	TOTAL ASBESTOS FILTER CONC. (struct./mm ²)	AIR CONC. FOR STRUCT. 0.55-5µm	AIR CONC. FOR STRUCT. 8-25µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
1	T02-07-018-1034	3 rd floor roof east	1800	7	0.0605	0.0035	0.0035	16.53	<0.0035	0.0035	Chrys.	NA
2	T02-07-018-1035	3 rd floor roof west	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
3	T02-07-018-1036	3 rd floor roof north	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
4	T02-07-018-1037	3 rd floor roof south	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
5	T02-07-018-1038	Near entrance to roof	1800	5	0.0432	0.0049	0.0049	23.14	0.0049	<0.0049	Chrys.	NA

ANALYST
E. DimitrakasLABORATORY DIRECTOR
Spire Demagala

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

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

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

Fax (212) 922-1830

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

W&P FILE #: 1079.01.02

CONTACT

LABORATORY:

ANALYSIS METHOD: PCM TEM TEM

ANALYSIS METHOD:
circle one

TECHNICIAN: L. SOTO

CLIENT: NUSEP
PROJECT: FACADE
LOCATION: 176 BROADWAY

PROJECT: FACADE

LOCATION: 176 6209D WJAY

SAMPLE NUMBER	SAMPLE DESCRIPTION, LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)
01	3 RD FL. ROOF EAST	3	01	4 4	10:00 17:30	450	1800	
02	3 RD FL. ROOF WEST	3	02	4 4	10:01 17:31	450	1800	
03	3 RD FL. ROOF NORTH	3	03	4 4	10:02 17:32	450	1800	
04	3 RD FL. ROOF SOUTH	3	04	4 4	10:03 17:33	450	1800	
05	NEAR ENTRANCE TO ROOF	3	05	4 4	10:04 17:34	450	1800	
06	FIELD BLANK	1						
07	FIELD BLANK	1						
08	CAPPED BLANK	1						

COMMENTS:

SAMPLE BY: <u>Louis Soto</u>	DATE: <u>7/24/02</u>
SIGNATURE: <u>Louis Soto</u>	
RELEASED BY: <u>Louis Soto</u>	DATE: <u>7/24/02</u>
SIGNATURE: <u>Louis Soto</u>	
RECEIVED BY: <u>G. Sienko</u>	DATE: <u>7/24/02</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

328 East 46th Street
New York, NY 10017
(212) 922-9077
Fax (212) 922-0630

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 ^{7/a}

W&P FILE #: 1079.01.02 KAM CONSULTANTS

LABORATORY:

ANALYSIS METHOD: PCM

7400

TECH

AHERA

EPA LEVEL II

SCA JOB#:

202 JUL 24 11:51

TECHNICIAN: L. SOTO

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	TIME ON	OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)
01	3RD FLOOR LOUF WEST	3	01	8	8	14 00	17 00	180	1440	
02	" EAST	3	02	8	8	14 01	17 01	180	1440	
03	" NORTH	3	03	8	8	14 02	17 02	180	1440	
04	" SOUTH	7	04	8	8	14 03	17 03	180	1440	
05	ENTRANCE TO 3RD FLOOR	3	05	8	8	14 04	17 04	180	1440	
06	FIELD BLANK	1								
07	"	1								
08	"	1								

COMMENTS:

SAMPLE BY: L. SOTO	DATE: 7/24/02
SIGNATURE: <i>[Signature]</i>	
RELEASED BY: L. SOTO	DATE: 7/23/02
SIGNATURE: <i>[Signature]</i>	
RECEIVED BY: DAVID CHEY / KAM	DATE: 7/24/02
SIGNATURE: <i>[Signature]</i>	

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

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

ANALYSIS REPORT ASBESTOS IN AIR

CLIENT: WARREN & PANZER
PROJECT: 176 Falaise Boulevard

[illegible]

Area Analyzed: 0.0600 mm²
Grid Opening Area: 0.09953 mm² 0.0100
Date Collected: 7/23/02

Analyst: AB
~~David Chaz~~

Analysis performed according to APERA Method 6: A 40 CFR Part 762 - Appendix A). Samples with no signal for mercury (SV) also may have returned to the initial species composition.

ADHA #: 100769

NIST-NVLP #: 102047

NYS-DOLL ELAP#: 11273

Lab Director: George Kouvaros

Date Received: 7/24/02
Date Analyzed: 7/25/02
Date of Report: 7/25/02