

11/07/2002 18:13 FAX

012

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel: (718) 794-7490

Fax: (718) 794-1845

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-11-024

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.013433

PROJECT: NYC DEP, 100 Church St.

DATE OF REPORT: 11/05/02

DATE OF ANALYSIS: 11/05/02

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

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANAL YZED	AREA ANALY ZED (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. 0.553-5µm	AIR CONC. FOR STRUCT. 5.25-9µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-11-024-3795	Decon	1476	4	0.0537	0.0049	<0.0049	<18.61	NA	NA	NA	NA
02	T02-11-024-3796	Southwest	1470	4	0.0537	0.0049	0.0146	55.83	0.0146	<0.0049	Chrys.	NA
03	T02-11-024-3797	Southwest	1470.6	4	0.0537	0.0049	0.0146	55.83	0.0097	0.0049	Chrys.	NA
04	T02-11-024-3798	Southeast	1470.6	4	0.0537	0.0049	<0.0049	<18.61	NA	NA	NA	NA
05	T02-11-024-3799	Southeast	1468.8	4	0.0537	0.0049	<0.0049	<18.61	NA	NA	NA	NA

ANALYST

E. Dimitrakas

LABORATORY DIRECTOR

Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101938, EIA-AP R0933

- 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.
- 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.

11/07/2002 18:13 FAX

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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 ____
P.O. _____

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

CLIENT: NYC-DEP W&P FILE #: 1079-0102 CONTACT: in detail
PROJECT: ROOFS & FACADE LABORATORY: ATHENEA
LOCATION: 100 CHURCH ST ANALYSIS METHOD: PCM TEM HERA EPA LEVEL II
TECHNICIAN: J. Burgess

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
01	DECK	3	1	3	3	6:10	14:30	492	1476	
02	ROOF NORTH	3	1	3	3	6:14	14:32	490	1470	
03	DECK	3	1	3	3	6:16	14:33	490.2	1470.6	
04	ROOF EAST	3	1	3	3	6:10	14:35	490.2	1470.6	
05	ROOF SOUTH	3	1	3	3	6:20	14:30	486.6	1468.8	
06	FIELD BLOCK	1	1							
07	FIELD BLOCK	1	1							

COMMENTS:

102-11-024

SAMPLE BY: J. Burgess DATE: 11-04
SIGNATURE: J. Burgess
RELEASED BY: J. Burgess DATE: 11-04
SIGNATURE: J. Burgess
RECEIVED BY: A. C. G. G. G. DATE: 11/5/02
SIGNATURE: A. C. G. G. G.

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

11/07/2002 13:11 FAX

008

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7499

Fax. (718) 784-4885

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-11-034

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.013433**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

PROJECT: NYC DEP, 100 Church Street

DATE OF REPORT: 11/06/02

DATE OF ANALYSIS: 11/06/02

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

CLIENT #	LAB ID #	LOCATION	VOLUME (L)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (dfract/cm ²)	TOTAL ASBESTOS AIR CONC. (dfract/cm ²)	TOTAL ASBESTOS FILTER CONC. (fr./mm ²)	AIR CONC. FOR STRUCT. 0.55 µm	AIR CONC. FOR STRUCT. 5.25 µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-11-034-3871	By decon	1440	4	0.0537	0.0050	<0.0050	<18.61	NA	NA	NA	NA
02	T02-11-034-3872	Exit to the roof	1440	4	0.0537	0.0050	<0.0050	<18.61	NA	NA	NA	NA
03	T02-11-034-3873	IWA west side of WA	1440	4	0.0537	0.0050	<0.0050	<18.61	NA	NA	NA	NA
04	T02-11-034-3874	IWA middle of WA	1440	4	0.0537	0.0050	<0.0050	<18.61	NA	NA	NA	NA
05	T02-11-034-3875	IWA left side of WA	1440	4	0.0537	0.0050	<0.0050	<18.61	NA	NA	NA	NA

ANALYST
E. StodolaLABORATORY DIRECTOR
Spiro Dongaris

- 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 third 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.

11/07/2002 18:12 FAX

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220 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

P.O.

W&P FILE #: 079-01-02

CONTACT:

CLIENT: NYC DEP

PROJECT: CLEANING ROOF

LOCATION: 100 STURGEY ST NYC

LABORATORY: WJF

ANALYSIS METHOD: PCM

circle one

7400

TEM

AHERN

EPA LEVEL II

TECHNICIAN: DPO ELEMO

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE		TIME		TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
				START	STOP	ON	OFF			
01	By decon	3		03	03	0630	1430	480	1440	
02	Exit to the roof	3		03	03	0631	1431	480	1440	
03	WPA Westside of WPA	3		03	03	0632	1432	480	1440	
04	middle -	3		03	03	0633	1433	480	1440	
05	leftside of WPA	3		03	03	0635	1435	480	1440	
06	field blank	1					N/A			
07	field blank	1					N/A			
08	Sealed blank	1					N/A			

SAMPLE BY: DPO	DATE: 11/5/02
SIGNATURE: DPO	
RELEASED BY: DPO ELEMO	DATE: 11/5/02
SIGNATURE: DPO	
RECEIVED BY: A. CATALAN	DATE: 11/6/02
SIGNATURE: A. Catalan	

102-11-034

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