



AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-10-136
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 10th Fl. 55 John Street
DATE OF REPORT: 10/21/02
DATE OF ANALYSIS: 10/21/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (L)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (struc./cm ³)	TOTAL ASBESTOS AIR CONC. (struc./cm ³)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR STRUCT. 0.55S<5µm	AIR CONC. FOR STRUCT. S≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST TYPE SPECIFY
01	T02-10-136-3369	In north east room on floor	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
02	T02-10-136-3370	In south east room on floor	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
03	T02-10-136-3371	At the center of hallway	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
04	T02-10-136-3372	In room (first Re) north west corner	1800	4	0.0554	0.0039	0.0039	18.07	<0.0039	0.0039	Chrys.	NA
05	T02-10-136-3373	In room (first Re) south west corner	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101059 BY AP 10056

- 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 the invoice.

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7490

Fax. (718) 784-4085

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-10-136

ANALYT. METHODOLOGY: AHBRA

FILTER TYPE: M.C.E.

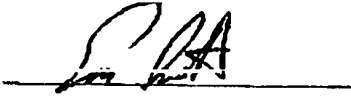
AVERAGE G.O. AREA (mm²): 0.013838PROJECT: NYC DEP, 7th Fl. 55 John Street

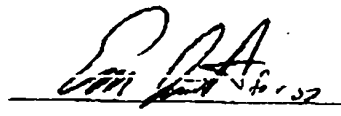
DATE OF REPORT: 10/21/02

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

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (st/mcf/cm ²)	TOTAL ASBESTOS AIR CONC. (st/mcf/cm ²)	TOTAL ASBESTOS FILTER CONC. (st/mcf/cm ²)	AIR CONC. FOR STRUCT. 0.3 ≤ S ≤ 4 μm	AIR CONC. FOR STRUCT. S ≥ 5.0 μm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
06	T02-10-036-3374	In room (Nat employment) north east corner	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
07	T02-10-036-3375	In room (Nat employment) north west corner	1800	4	0.0554	0.0039	0.0039	18.07	0.0039	<0.0039	Chrys.	NA
08	T02-10-036-3376	At center of the hallway	1800	4	0.0554	0.0039	0.0039	18.07	0.0039	<0.0039	Chrys.	NA
09	T02-10-036-3377	Receptionist room north west corner	1800	4	0.0554	0.0039	0.0039	18.07	0.0039	<0.0039	Chrys.	NA
10	T02-10-036-3378	Receptionist room south west corner	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA


 ANALYST
 E. Dimitrakas


 LABORATORY DIRECTOR
 Soiro Donazaris
LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, BLAP 10955

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- 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) 922-0077
Fax (212) 922-0830

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

PAGE 1 OF 1

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

P.O. _____

CLIENT: NYC DEP
PROJECT: Window
LOCATION: 10th Fl 55 John St NY

W&P FILE #: 1079-01-02
LABORATORY: _____
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: CHETRAM RAMRAJ

CONTACT: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE		TIME		TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
				START	STOP	ON	OFF			
01	IN north east room on floor	3		10	10	08:20	11:20	180	1800	
02	IN south east room on floor	3		10	10	08:21	11:21	180	1800	
03	At the center of hallway	3		10	10	08:22	11:22	180	1800	
04	IN room (First fl) north west corner	3		10	10	08:23	11:23	180	1800	
05	IN room (First fl) south west corner	3		10	10	08:24	11:24	180	1800	
06	{ Field }									
07										
08										
	{ BLANK }									

COMMENTS:

T02-10-136

SAMPLE BY: CHETRAM RAMRAJ DATE: 10/19/02
SIGNATURE: [Signature]
RELEASED BY: CHETRAM RAMRAJ DATE: 10/19/02
SIGNATURE: [Signature]
RECEIVED BY: A. CAJIGAL DATE: 10/21/02
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

228 East 45th Street
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WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE 1 OF 124 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate⁺/a

P.O. _____

CLIENT: NYC DEPW&P FILE #: 1079-01-02

CONTACT: _____

PROJECT: Windows

LABORATORY: _____

LOCATION: 7th Fl 55 John St NYANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL IITECHNICIAN: CHETRAM RAMRAJ

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	TIME ON	OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
06	In room (Nat Employment) northeast corner	3		10	10	11:30	14:30	180	1800	
07	In room (Nat Employment) north west corner	3		10	10	11:31	14:31	180	1800	
08	At Center of the hallway	3		10	10	11:32	14:32	180	1800	
09	Receptionist room north west corner	3		9	9	11:34	14:34	180	1620	
10	Receptionist room south west corner	3		10	10	11:35	14:35	180	1800	
11	FIELD } BLANK }								→	
12									→	
13									→	

COMMENTS:

T02-10-136

SAMPLE BY: <u>CHETRAM RAMRAJ</u>	DATE: <u>10/19/02</u>
SIGNATURE: <u>Chetram Ramraj</u>	
RELEASED BY: <u>CHETRAM RAMRAJ</u>	DATE: <u>10/19/02</u>
SIGNATURE: <u>Chetram Ramraj</u>	
RECEIVED BY: <u>A. Gajiga</u>	DATE: _____
SIGNATURE: <u>A. Gajiga</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