



ATHENICA

ENVIRONMENTAL SERVICES INC.

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Pauter Engineers, P.C.

LABORATORY ID #: T02-09-002

ANALYT. METHODOLOGY: AIHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 45 Wall St.

DATE OF REPORT: 09/04/02

DATE OF ANALYSIS: 09/04/02

EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (M)	G.O.'s ANAL. YZED	AREA ANAL. ZED (mm ²)	ANALYT. SENSITIV. (microg/cm ³)	TOTAL ASBESTOS AIR CONC. (microg/cm ³)	TOTAL ASBESTOS FILTER CONC. (microg/cm ³)	AIR CONC. FOR STRUCT. 0.5-5.0um	AIR CONC. FOR STRUCT. ≥5.0um	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01IWA	T02-09-002-2073	16 th FL. On terrace. Center of W.A.	1320	5	0.0621	0.0047	<0.0047	<16.10	NA	NA	NA	NA
02IWA	T02-09-002-2074	16 th FL. On terrace. East section of W.A.	1320	5	0.0621	0.0047	<0.0047	<16.10	NA	NA	NA	NA
03IWA	T02-09-002-2075	16 th FL. On terrace. West section of W.A.	1320	5	0.0621	0.0047	<0.0047	<16.10	NA	NA	NA	NA
04IWA	T02-09-002-2076	18 th FL. On terrace. Center of W.A.	1320	5	0.0621	0.0047	<0.0047	<16.10	NA	NA	NA	NA
05IWA	T02-09-002-2077	18 th FL. On terrace. North section of W.A.	1320	5	0.0621	0.0047	0.0047	16.10	0.0041	<0.0041	Chrys.	NA

[Signature]
Spiro Dongaris

E. Dimitrakas

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

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

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P.O.

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

CLIENT: DEP.
PROJECT: DEP - Sampling
LOCATION: 45 Wall St. N.Y.C.
16th Floor; and 18th Floor
W&P FILE #: 1079.01.02
LABORATORY: Warren and Panzer
ANALYSIS METHOD: PCM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: Yury Bedin
CONTACT: Mr. M. Nolan

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
1 IWA.	16 th Fl. entrance, Center of W.A.	3		4.0	4.0	10:25	15:55	330	1320	
2 IWA.	16 th Fl. entrance, East Section of W.A.	3		4.0	4.0	10:27	15:57	330	1320	
3 IWA.	16 th Fl. entrance, West Section of W.A.	3		4.0	4.0	10:29	15:59	330	1320	
4 IWA.	18 th Fl. entrance, Center of W.A.	3		4.0	4.0	10:31	16:01	330	1320	
5 IWA.	18 th Fl. entrance, North Section of W.A.	3		4.0	4.0	10:33	16:03	330	1320	
6 —	Field Blank	1								
7 —	Field Blank	1								
8 —	C. Blank	1								

COMPARISON

702-09-002

SAMPLE BY: Yury Bedin DATE: 9-3-02
SIGNATURE: Yury Bedin
RELEASED BY: Yury Bedin DATE: 9-3-02
SIGNATURE: Yury Bedin
RECEIVED BY: C. S. Icard DATE: 9/4/02
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