

10/14/2002 17:26 FAX

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**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (718) 764-7400
Fax. (718) 764-1665**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

CLIENT: Warren & Parzetta Engineers, P.C.
LABORATORY ID #: 102-10-057
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYCDRP, 161 Williams St.
DATE OF REPORT: 10/10/02
DATE OF ANALYSIS: 10/10/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'S ANAL. Y2ED	AREA ANALY ZED (mm ²)	ANALYT. SENSITV. (detected/cm ²)	TOTAL ASBESTOS AIR CONC. (fibre./cm ³)	TOTAL ASBESTOS FILTER CONC. (fibre./mm ²)	AIR CONC. FOR STYRECT. 0.653-8µm <0.0045	AIR CONC. FOR STRUCT. 82.5-8µm 0.0090	ASBEST. TYPE CHYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	102-10-057-2963	TWA on roof. Center of work area	1530	4	0.0554	0.0045	0.0090	36.14	<0.0045	0.0090	Chrys.	NA
02	102-10-057-2964	TWA on roof. South section of WA	1530	4	0.0554	0.0045	0.0225	90.35	0.0135	0.0090	Chrys.	NA
03	102-10-057-2965	TWA on roof. East section of WA	1530	4	0.0554	0.0045	<0.0045	<18.07	NA	NA	NA	NA
04	102-10-057-2966	TWA on roof. North-east section of WA	1530	4	0.0554	0.0045	<0.0045	<18.07	NA	NA	NA	NA
05	102-10-057-2967	QWA on hallway leading to roof 8ft. of door entrance	1530	4	0.0554	0.0045	<0.0045	<18.07	NA	NA	NA	NA

ANALYST
E. Stoukri

LABORATORY DIRECTOR
Spiro Dracoparis

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 cassette will be altered for sixty (60) days. AES Inc., should be notified within this time frame for a free 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 makes only to those 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.

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

CLIENT: NYC D.E.P.

WSP FILE #: 1079.01.02

PROJECT: DEP Sampling; Roof Cleaning

LABORATORY: Warran and Panzer

CONTACT

Mr. M. Nolan

LOCATION: 161 William St. NY.M. Rad.

ANALYSIS METHOD: PCM

7400 AHERA EPA LEVEL II

Roof of 22nd Floor.

TECHNICIAN: Judy Bedin

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (mg/cu.)
1 IWA	on Roof. Center of North Atrium	3		3.0 3.0	9:15 17:45	510	1530	
2 IWA	on Roof. South Section of M.A.	3		3.0 3.0	9:17 17:47	510	1530	
3 IWA	on Roof. East Section of M.A.	3		3.0 3.0	9:19 17:49	510	1530	
4 IWA	on Roof. North East Section of M.A.	3		3.0 3.0	9:21 17:51	510	1530	
50WA	on Highway leading to Roof.	3		3.0 3.0	9:23 17:53	510	1530	
6 —	Field Blank	1						
7 —	Field Blank	1						
8 —	S. Blank	1						

COMMENTS:

SAMPLE BY: Judy Bedin	DATE: 10-9-02.
SIGNATURE: Judy Bedin	
RELEASED BY: Judy Bedin	DATE: 10-9-02.
SIGNATURE: Judy Bedin	
RECEIVED BY: A.C. 10/10/02	DATE: 10/10/02
SIGNATURE: J. G. 10/10/02	

10-2-10-057

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