


ATHENICA

ENVIRONMENTAL SERVICES INC.

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

 CLIENT: Warren & Parizer Engineers, P.C.
 PROJECT: NYC DEP, 170 Williams Street
 LABORATORY ID #: T02-10-151
 DATE OF REPORT: 10/23/02
 ANALYT. METHODOLOGY: AIHRA
 DATE OF ANALYSIS: 10/32/02
 FILTER TYPE: M.C.E.
 EFFECTIVE FILTER AREA (mm²): 385
 AVERAGE G.O. AREA (mm²): 0.013838

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (m)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (microg/cm ³)	TOTAL ASBESTOS AIR CONC. (microg/cm ³)	TOTAL ASBESTOS FILTER CONC. (microg/cm ³)	AIR CONC. FOR STRUCT. 0.55-0.9mm	AIR CONC. FOR STRUCT. 523-0.1mm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-10-151-3458	IWA right side of WA (roof)	1417	4	0.0554	0.0049	<0.0049	<18.07	NA	NA	NA	NA
02	T02-10-151-3459	IWA left side of WA (roof)	1417	4	0.0554	0.0049	<0.0049	<18.07	NA	NA	NA	NA
03	T02-10-151-3460	IWA right side of WA (courtyard)	1417	4	0.0554	0.0049	<0.0049	<18.07	NA	NA	NA	NA
04	T02-10-151-3461	IWA middle of WA (courtyard)	1417	4	0.0554	0.0049	<0.0049	<18.07	NA	NA	NA	NA
05	T02-10-151-3462	IWA left side of WA (courtyard)	1417	4	0.0554	0.0049	<0.0049	<18.07	NA	NA	NA	NA

 ANALYST
 E. Dimitrakas

 LABORATORY DIRECTOR
 Spiro Dougaris

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 the invoice.

10/29/2002 13:22 FAX

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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 DEP

W&P FILE #: 1079-01-02

LABORATORY: WKE

CONTACT: MICHAEL NOCAN

PROJECT: Cleaning (facade)

ANALYSIS METHOD: PCM TEM
circle one: 7400 AHERA EPA LEVEL II

LOCATION: 170 WILLIAM ST NYU

TECHNICIAN: DIPLO ELEMO

downtown hospital

T02-10-151

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lib./cc.)
01	1WA right side of 1WA (roof)	3		03	04	0830	1515	405	1417	
02	1WA left side of 1WA (roof)	3		03	04	0831	1516	405	1417	
03	1WA right side of 1WA (courtyard)	3		03	04	0832	1517	405	1417	
04	1WA middle of 1WA (courtyard)	3		03	04	0833	1518	405	1417	
05	1WA left side of 1WA (courtyard)	3		03	04	0835	1520	405	1417	
06	field blank	1					NA			
07	Sealed blank	1					NA			
08	Sealed blank	1					NA			

COMMENTS: Start flow rate - 03

Stop flow rate - 04

$$AV = \frac{3+4}{2} = 3.5 \text{ final flow rate}$$

SAMPLE BY: DIPLO ELEMO DATE: 10/29/02

SIGNATURE: DIPLO

RELEASED BY: DIPLO ELEMO DATE: 10/29/02

SIGNATURE: DIPLO

RECEIVED BY: A. CAPUTO DATE: 10/29/02

SIGNATURE: A. CAPUTO

SAMPLE TYPE CODES

1 - Blank

2 - Pre-Abatement

3 - During Abatement

4 - During Glove Bag Removal

5 - Final Clearance (inside)

6 - Final Clearance (outside)

7 - Personal

8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION