

08/12/2002 09:39 FAX 718 784 4085

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ATHENICA
ENVIRONMENTAL SERVICES INC.
Tel: (718) 784-7400
Fax: (718) 784-4085

CLIENT: Warren & Puzer Engineers, P.C.
LABORATORY ID #: T02-08-040
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm^2): 0.012422

PROJECT: NYC DEP, 30 W. Broadway
DATE OF REPORT: 08/10/02
DATE OF ANALYSIS: 08/10/02
EFFECTIVE FILTER AREA (mm^2): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

LABORATORY RESULTS

CLIENT #	LAB. ID	LOCATION	VOLUME (L)	G.O. ANAL. YZBD	AREA ANAL. YZBD (mm^2)	ANALYT. SENSITIV. (direct/ cm^3)	TOTAL ASBESTOS AIR CONC. (direct/ cm^3)	TOTAL ASBESTOS FILTER CONC. (direct/ cm^3)	AIR CONC. FOR STRUCT. 0.55-5 μm	AIR CONC. FOR STRUCT. >5.5 μm	ASBEST. TYPE CHRS.	ASBEST. TYPE SPECTRY
001A	T02-08-040-1403	Entrance to personnel decon	1560	4	0.0497	0.0050	<0.0050	<20.13	NA	NA	NA	NA
002A	T02-08-040-1404	N/E side of balcony	1560	4	0.0497	0.0050	<0.0050	<20.13	NA	NA	NA	NA
003A	T02-08-040-1405	South side of balcony	1560	4	0.0497	0.0050	<0.0050	<20.13	NA	NA	NA	NA
004A	T02-08-040-1406	Ground floor north area	1560	4	0.0497	0.0050	<0.0050	<20.13	NA	NA	NA	NA
005A	T02-08-040-1407	Ground floor under scaffold	1560	4	0.0497	0.0050	<0.0050	<20.13	NA	NA	NA	NA

ANALYST
E. Sioukri

LABORATORY DIRECTOR
Spiru Douganis

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 conducted with the stated for safety (OS) 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 debris tested. This report must not be used as a 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.

AUG-14-2002 13:32

BANHM LABORATORY UNIT

P.13

226 East 45th St
New York, NY 10017
(212) 922-0077
Fax (212) 922-0030

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/212 hr⁺/2 6 hr⁺/2 3 hr⁺/2 Immediate 7/2

WAP FILE #: 1079-01-02

LABORATORY: ATC

ANALYSIS METHOD: PCM TEM TEM
7400 (A) EPA LEVEL 8

TECHNICIAN: M. Wells

CONTACT: Mike Nolan

P.O.

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CLIENT: NYC-DEP
PROJECT: WTC-9/11
LOCATION: 30 W. Broadway

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL VOLUME (liters)	CONCENTRATION (ppm)
001A	Entrance to physical plant	3	3	3	3	07:00	15:10	520	1560
002A	W/E Side of balcony	3	3	3	3	07:01	15:01	520	1560
003A	SW/E Side of balcony	3	3	3	3	07:02	15:02	520	1560
004A	Ground floor N/A. area	3	3	3	3	07:03	15:03	520	1560
005A	Ground floor under wayfield	3	3	3	3	07:04	15:04	520	1560
006	held	1	1	1	1				
007	held	1	1	1	1				
008	held	1	1	1	1				

1002-08-040

SAMPLE BY: M. Wells
SIGNATURE: *[Signature]*
DATE: 8/14

RELEASED BY: *[Signature]*
SIGNATURE: *[Signature]*
DATE: 8/14/02

RECEIVED BY: E. S. S. S. S.
SIGNATURE: *[Signature]*
DATE: 8/14/02

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