NYC-WTC_000112466

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09/11/2002 18:39 FAX 718 784 4085

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 #: T02-09-034
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm^2): 0.013771

PROJECT: NYC DEP, 45 Wall St.
DATE OF REPORT: 09/10/02
DATE OF ANALYSIS: 09/10/02
EFFECTIVE FILTER AREA (mm^2): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (lt)	G.O.'s ANALYZED	AREA ANALYZED (mm^2)	ANALYT. SENSITIV. (struct./cm^3)	TOTAL ASBESTOS AIR CONC. (struc./cm^3)	TOTAL ASBESTOS FILTER CONC. (str./mm^2)	AIR CONC. FOR STRUCT. 0.5≤S<5µm	AIR CONC. FOR STRUCT. S≥5.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST TYPE SPECIFY
01	T02-09-034-2239	Club roof East	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
02	T02-09-034-2240	Club roof West	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
03	T02-09-034-2241	Club roof Middle	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
04	T02-09-034-2242	Club roof South	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA
05	T02-09-034-2243	Club roof North	1800	4	0.0551	0.0039	<0.0039	<18.15	NA	NA	NA	NA

ANALYST
E. Siguori

LABORATORY DIRECTOR
Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- 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.

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228 East 45th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0630

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE ____ OF ____

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

P.O. ____

CLIENT: DEP
PROJECT: ROOFS/FACADE
LOCATION: 45 WALL ST.

W&P FILE #: 1079.01.02
LABORATORY:
ANALYSIS METHOD: PCM (TEM) TEM
circle one: 7400 AHERA EPA LEVEL II
TECHNICIAN: EDWIN B. ELLIS III

CONTACT:

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (fib./cc.)
01	CLUB ROOF EAST	3		5	5	1000	1600	360	1800	
02	CLUB ROOF WEST	3		5	5	1001	1601	360	1800	
03	CLUB ROOF MIDDLE	3		5	5	1002	1602	360	1800	
04	CLUB ROOF SOUTH	3		5	5	1003	1603	360	1800	
05	CLUB ROOF NORTH	3		5	5	1004	1604	360	1800	
06	FIELD BLANK									
07	FIELD BLANK									

COMMENTS:

T02-09-034

SAMPLE BY: E. ELLIS III DATE: 9/9/02
SIGNATURE: Edwin B. Ellis III
RELEASED BY: Edwin B. Ellis III DATE: 9/9/02
SIGNATURE: 735 PM
RECEIVED BY: A-CAUGHT DATE: 9/10/02
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

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