

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Waites & Panzer Engineers, P. C.
LABORATORY ID #: T02-08-018
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 50 Broadway
DATE OF REPORT: 08/05/02
DATE OF ANALYSIS: 08/04/02
EFFECTIVE FILTER AREA (mm²): 385



ATHENICA

ENVIRONMENTAL SERVICES INC.

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LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANAL. YZED	AREA ANALY ZED (mm ²)	ANALYT. SENSITIV. (struct/cm ³)	TOTAL ASBESTOS AIR CONC. (struct/cm ³)	TOTAL ASBESTOS FILTER CONC. (struct/cm ²)	AIR CONC. FOR STRUCT. 0.5<S<5µm	AIR CONC. FOR STRUCT. S≥5.0µm	ASBEST. TYPE CHRYS.	ADIPHIB. ASBEST. TYPE SPECIFY
01	T02-08-018-1288	On east end of roof, left side	1260	5	0.0621	0.0049	<0.0049	<16.10	NA	NA	NA	NA
02	T02-08-018-1289	On east side of roof right side	1260	5	0.0621	0.0049	<0.0049	<16.10	NA	NA	NA	NA
03	T02-08-018-1290	At center of roof	1260	5	0.0621	0.0049	<0.0049	<16.10	NA	NA	NA	NA
04	T02-08-018-1291	On west end of roof left side	516	13	0.1615	0.0046	<0.0046	<6.19	NA	NA	NA	NA
05	T02-08-018-1292	On west end of roof right side	1260	5	0.0621	0.0049	<0.0049	<16.10	NA	NA	NA	NA
06	T02-08-018-1293	Near entrance to roof	1000	7	0.0870	0.0044	<0.0044	<11.50	NA	NA	NA	NA

E. Sioukri

ANALYST
E. Sioukri

Sp. Donganis

LABORATORY DIRECTOR
Spiro Donganis

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- Air sampling cassettes will be stored for sixty (60) days. AES Inc., should be notified within that 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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08/05/2002 07:38 FAX 718 764 4065

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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

PAGE 1 OF 1
P.O.

W&P FILE #:

CLIENT: NYC DEP

LABORATORY:

PROJECT: 50 Broadway, Manhattan NYLOCATION: ACADEMY

ANALYSIS METHOD: PCM

7400
chcls one

TEM

AHERA EPA LEVEL II

TECHNICIAN: CHETRAM RAMANI

CONTACT:

T02-08-018

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (fib./cc.)
01	on east end of roof left side (35 th fl)	3		3	10:05 1705	420	1260	
02	on east end of roof right side (35 th fl)	3		3	10:06 1706	420	1260	
03	At center of the roof (35 th fl)	3		3	10:07 1707	420	1260	
04	on west end of roof left side (35 th fl)	3		3	10:08 1300	172	516	
05	on west end of roof right side (35 th fl)	3		3	10:09 1709	420	1260	
06	near entrance to roof	3		4	13:00 1710	250	1080	
07	(FIELD)							
08	(BLANK)							

COMMENT: *As per DEP inspector (Bee),
fructura who requested me to place one
sample at entrance to roof as per specs, so
he asked me to resample using sample #6

SAMPLE BY: Chetram Ramani DATE: 08/03/02
SIGNATURE: Chetram Ramani
RELEASED BY: Chetram Ramani DATE: 08/08/02
SIGNATURE: Chetram Ramani
RECEIVED BY: G. S. Sankar DATE: 8/4/02
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