

0012



AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-09-095
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 57/56 Murray Street
DATE OF REPORT: 09/26/02
DATE OF ANALYSIS: 09/26/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O. % ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (struct./cm ³)	TOTAL ASBESTOS AIR CONC. (struct./cm ³)	TOTAL ASBESTOS FILTER CONC. (struct./mm ²)	AIR CONC. FOR STRUCT. 0.5-5.0µm	AIR CONC. FOR STRUCT. 5-10.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-09-095-2546	In front of Road House Bar	1300	5	0.0692	0.0043	<0.0043	<14.45	NA	NA	NA	NA
02	T02-09-095-2547	10ft from sample 01	1300	5	0.0692	0.0043	<0.0043	<14.45	NA	NA	NA	NA
03	T02-09-095-2548	In front of 59 Murray	1300	5	0.0692	0.0043	<0.0043	<14.45	NA	NA	NA	NA
04	T02-09-095-2549	10ft from sample 02	1300	5	0.0692	0.0043	0.0043	14.45	0.0043	<0.0043	Chrys.	NA
05	T02-09-095-2550	In front of hydrant	1300	5	0.0692	0.0043	<0.0043	<14.45	NA	NA	NA	NA

E. Sioukri

ANALYST
E. Sioukri

Spiro Dongaris
LABORATORY DIRECTOR
Spiro Dongaris

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.

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06	T02-09-095-2551	In front of Road House bar	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
07	T02-09-095-2552	10ft from sample 04	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
08	T02-09-095-2553	In front of 59 Murray	1800	4	0.0554	0.0039	0.0039	18.07	<0.0039	0.0039	Chrys.	NA
09	T02-09-095-2554	10ft from sample 03	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
10	T02-09-095-2555	In front of hydrant	1800	4	0.0554	0.0039	0.0039	18.07	0.0039	<0.0039	Chrys.	NA

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228 East 45th Street
New York, NY 10017
(212) 922-0877
Fax (212) 922-0830

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE 1 OF 2

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

P.O. _____

CLIENT: DEP
PROJECT: 57/59 MURRAY ST
LOCATION: FACADE / ROOF

W&P FILE #: 1079-01-02
LABORATORY: _____
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: EDWARD DIRMAL

CONTACT: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)	
01	IN FRONT OF ROAD HOUSE BARN	3	1	10	10	0420	0630	130	130
02	10' FROM SAMPLE 01	3	2	↓	↓	0420	0630	130	130
03	IN FRONT OF 59 MURRAY	3	3			0422	0632	130	130
04	10' FROM SAMPLE 03	3	4			0423	0633	130	130
05	IN FRONT OF HYDRATE	3	5			0425	0635	130	130
06	IN FRONT OF ROAD HOUSE BARN	3	1			0630	0930	180	180
07	10' FROM SAMPLE 01	3	2	↓	↓	0630	0930	180	180
08	IN FRONT OF 59 MURRAY	3	3			0632	0932	180	180
09	10' FROM SAMPLE 03	3	4			0633	0933	180	180
10	IN FRONT OF HYDRATE.	3	5			0635	0935	180	180

COMMENTS:

T02-09-095

SAMPLE BY: EDWARD DIRMAL DATE: 9.25.2002
SIGNATURE: _____
RELEASED BY: EDWARD DIRMAL DATE: 9.25
SIGNATURE: _____
RECEIVED BY: A. CASAL DATE: 9/26/02
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