

112 Trinity Place

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P. C.

PROJECT: NYCDEP, 106 Liberty

LABORATORY ID #: T02-08-019

DATE OF REPORT: 08/05/02

ANALYT. METHODOLOGY: AHERA

DATE OF ANALYSIS: 08/04/02

FILTER TYPE: M.C.E.

EFFECTIVE FILTER AREA (mm²): 385AVERAGE G.O. AREA (mm²): 0.012422**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7489

Fax. (718) 784-4085

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (M)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (struc/cm ³)	TOTAL ASBESTOS AIR CONC. (struc/cm ³)	TOTAL ASBESTOS FILTER CONC. (struc/cm ³)	AIR CONC. FOR STRUCT. 0.55S-5µm	AIR CONC. FOR STRUCT. 5-5.0µm	ASBEST. TYPE CURVS.	AMPHIB. ASBEST. TYPE SPECIFY
8302-01	T02-08-019-1294	By decon	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
8302-02	T02-08-019-1295	In front of job. Cradle left	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
8302-03	T02-08-019-1296	In front of job. Cradle left midriff	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
8302-04	T02-08-019-1297	In front of job. Cradle right middle	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA
8302-05	T02-08-019-1298	In front of job. Cradle right	1500	5	0.0621	0.0041	<0.0041	<16.10	NA	NA	NA	NA

*C. Sienkiewicz*ANALYST
R. Sienkiewicz*Sp. D. D. D.*LABORATORY DIRECTOR
Spiro D. D. D.**LABORATORY CERTIFICATION REQUIREMENTS MUST BE MET BY THE USER**

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassette will be shared 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.

228 East 45th Street
New York, NY 10017
(212) 922-4077
Fax (212) 922-0630

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

CLIENT: NYC DEP

W&P FILE #: 1979.01-02

PROJECT: 106 Liberty

LABORATORY: W&P

ANALYSIS METHOD: PCM TEM

LOCATION: fender/corner

circle one 7400 AHERA EPA LEVEL II

TECHNICIAN: John B. Yea

CONTACT: Mike Nolan

LLW#:

SCA JOB#:

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
J08302 01	6-7 Dec on	3		10	10	0830	1100	150	1500	
J08302 02	front of 106 corner lot	3		10	10	0832	1102	150	1500	
J08302 03	" " " " " "	3		10	10	0834	1104	150	1500	
J08302 04	" " " " " "	3		10	10	0836	1106	150	1500	
J08302 05	" " " " " "	3		10	10	0838	1108	150	1500	
J08302 06	6-7 Dec on	3		7	7	1230	1230			
J08302 07	inside roof	3		7	7	1232	1442	250	1750	overload
J08302 08	left side of entrance	3		7	7	1234	1444	250	1750	
J08302 09	middle of " " " "	3		7	7	1236	1446	250	1750	
J08302 10	right of " " " "	3		7	7	1238	1448	250	1750	
J08302 11	6-7 Dec on	3		10	10	1350	1450	100	1820	
J08302 12	Field Blank	1				0	0	0	0	
J08302 13	Sealed Blank	1				0	0	0	0	

COMMENTS: 0 0 0 0

SAMPLE BY: John Boyd	DATE: 8-3-02
SIGNATURE: [Signature]	
RELEASED BY: John Boyd	DATE: 8-3-02
SIGNATURE: [Signature]	
RECEIVED BY: C. Stanton	DATE: 8/4/02
SIGNATURE: [Signature]	

702-08-019

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