



AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.
 LABORATORY ID #: T02-10-173
 ANALYT. METHODOLOGY: AHERA
 FILTER TYPE: M.C.E.
 AVERAGE G.O. AREA (mm²): 0.013433

PROJECT: NYC DEP, 100 Church Street
 DATE OF REPORT: 10/27/02
 DATE OF ANALYSIS: 10/27/02
 EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (L)	G.O. ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (st/struct./cm ²)	TOTAL ASBESTOS AIR CONC. (st/struct./cm ³)	TOTAL ASBESTOS FILTER CONC. (st/struct./cm ²)	AIR CONC. FOR STRUCT. 0.555-0.910 μ m	AIR CONC. FOR STRUCT. $\geq 2.50 \mu$ m	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST TYPE SPECIFY
01	T02-10-173-3568	On roof west side	625	10	0.1343	0.0046	<0.0046	<7.44	NA	NA	NA	NA
02	T02-10-173-3569	On roof west side	625	10	0.1343	0.0046	<0.0046	<7.44	NA	NA	NA	NA
03	T02-10-173-3570	On roof west by window	625	10	0.1343	0.0046	<0.0046	<7.44	NA	NA	NA	NA
04	T02-10-173-3571	On roof west by window	625	10	0.1343	0.0046	<0.0046	<7.44	NA	NA	NA	NA
05	T02-10-173-3572	On roof west by window	625	10	0.1343	0.0046	<0.0046	<7.44	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.

0008/013

**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-10-175
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (μm^2): 0.013433

PROJECT: NYC DEP, 100 Church Street
DATE OF REPORT: 10/28/02
DATE OF ANALYSIS: 10/28/02
EFFECTIVE FILTER AREA (mm^2): 385

LABORATORY RESULTS

			(1)	ANALYZED	ANALYZED (mm^2)	SENSITIV. ($\text{struct}/\text{cm}^3$)	ASBESTOS AIR CONC. ($\text{struct}/\text{cm}^3$)	ASBESTOS FILTER CONC. (str/mm^2)	CONC. FOR STRUCT. 0.55-5 μm	CONC. FOR STRUCT. 8-25.0 μm	TYPE CHRYS.	ASBEST TYPE SPECIFY
1027001	T02-10-175-3578	On roof west side	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1027002	T02-10-175-3579	On roof west side	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1027003	T02-10-175-3580	On roof west by window	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1027004	T02-10-175-3581	On roof west by window	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1027005	T02-10-175-3582	On roof west by window	1250	5	0.0672	0.0046	<0.0046	<14.89	NA	NA	NA	NA
1027009	T02-10-175-3583	Inside floor area by entrance to roof	1200	5	0.0672	0.0048	<0.0048	<14.89	NA	NA	NA	NA

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
Spiro Donganis

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Parizer Engineers, P.C.
LABORATORY ID #: T02-10-176
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.B.
AVERAGE G.O. AREA (mm²): 0.013433

PROJECT: NYC DEP, 100 Church Street
DATE OF REPORT: 10/28/02
DATE OF ANALYSIS: 10/28/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

			(f)	ANALYZED	ANALYZED (mm ²)	SENSITIV. (struc./cm ²)	ASBESTOS AIR CONC. (struc./cm ²)	ASBESTOS FILTER CONC. (str./mm ²)	CONC. FOR STRUCT. 0.5<S<5µm	CONC. FOR STRUCT. S≥5.0µm	TYPE CHRYS.	ASBEST TYPE SPECIFY
1026001	T02-10-176-3584	On roof west side	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1026002	T02-10-176-3585	On roof west by window	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1026003	T02-10-176-3586	On roof west by window	1850	4	0.0537	0.0039	0.0039	18.61	0.0039	<0.0039	Chrys.	NA
1026004	T02-10-176-3587	On roof west by window	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA
1026005	T02-10-176-3588	On roof west by window	1850	4	0.0537	0.0039	<0.0039	<18.61	NA	NA	NA	NA

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
Spiro Dongaris

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CONTACT: Mike Nolan

COMMENTS:

T02-10-176

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

NYC-WTC 000126554

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