

08/14/2002 18:53 FAX 718 784 4085

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel: (212) 784-2490
Fax: (718) 784-4085

CLIENT: Warren & Panzer Engineers, P. C.
LABORATORY ID #: T02-08-060
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (μm^2): 0.012422

PROJECT: NYCDEP, 181 Broadway
DATE OF REPORT: 08/13/02
DATE OF ANALYSIS: 08/13/02
EFFECTIVE FILTER AREA (mm^2): 385

LABORATORY RESULTS

CLIENT #	LAB. ID	LOCATION	VOLUME (#)	G.O.'s ANAL YZED	AREA ANALYZED (μm^2)	ANALYT. SENSITIVITY ($\mu\text{g}/\text{m}^3/\text{cm}^2$)	TOTAL ASBESTOS AIR CONC. ($\mu\text{g}/\text{m}^3/\text{cm}^2$)	TOTAL ASBESTOS FILTER CONC. ($\mu\text{g}/\text{m}^3$)	AIR CONC. FOR STRUCT. 0.358-5 μm	AIR CONC. FOR STRUCT. $\geq 5.4 \mu\text{m}$	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-08-060-1504	By Entrance	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
02	T02-08-060-1505	Inside work area West	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
03	T02-08-060-1506	Inside work area Center	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
04	T02-08-060-1507	Inside work area East	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
05	T02-08-060-1508	Inside work area North	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA

For list for 50

ANALYST
E. Dimitrakas

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 NVE AP 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 Athena Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

**220 East 45th Street
New York, NY 10017
(212) 922-0977
Fax (212) 922-0630**

WARREN & PANZER ENGINEERS, P. C.
AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

P.O. _____.

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

CONTACT: Mr Mike Nolan

W&P FILE #: 1079:01:02

CONTACT: 100-1-1000

LABORATORY: AFC

ANALYSIS METHOD: PCM TEM TEM

circle one 7400 ~~AIHEBA~~ EPA LEVEL II

TECHNICIAN:

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTRATION (lb./cc.)
01	bt entrance	3		05	05	1000	1430	270	1350	
02	inside work area west	3		05	05	1002	1432	270	1350	
03	inside work area Centre	3		05	05	1004	1434	270	1350	
04	inside work area East	3		05	05	1006	1436	270	1350	
05	inside work area North	3		05	05	1008	1438	270	1350	
06	BF	1								
07	BF	1								
08	Copped Blank	1								

COMMENTS:

702-08-060

SAMPLE BY: Celestine Noriega DATE: 08/12/02

SIGNATURE: Dr. [Signature]

RELEASED BY: William Minors DATE: 06/07/02

SIGNATURE: _____

SIGNATURE: _____
RECEIVED BY: E. Siachen DATE: 8/12/02

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