



AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.
 LABORATORY ID #: T02-10-147
 ANALYT. METHODOLOGY: AHERA
 FILTER TYPE: M.C.E.
 AVERAGE G.O. AREA (μm^2): 0.013838

PROJECT: NYC DEP, 55 John Street
 DATE OF REPORT: 10/22/02
 DATE OF ANALYSIS: 10/22/02
 EFFECTIVE FILTER AREA (cm^2): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm^2)	ANALYT. SENSITIV. (struct./ cm^2)	TOTAL ASBESTOS AIR CONC. (struct./ cm^3)	TOTAL ASBESTOS FILTER CONC. (str./ mm^2)	AIR CONC. FOR STRUCT. $0.5 \leq S < 5 \mu\text{m}$	AIR CONC. FOR STRUCT. $S \geq 5 \mu\text{m}$	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST TYPE SPECIFY
01	T02-10-147-3437	On Dutch left	1750	4	0.0554	0.0040	<0.0040	<18.07	NA	NA	NA	NA
02	T02-10-147-3438	On Dutch left middle	1750	4	0.0554	0.0040	<0.0040	<18.07	NA	NA	NA	NA
03	T02-10-147-3439	On Dutch middle	1750	4	0.0554	0.0040	<0.0040	<18.07	NA	NA	NA	NA
04	T02-10-147-3440	On Dutch right middle	1750	4	0.0554	0.0040	<0.0040	<18.07	NA	NA	NA	NA
05	T02-10-147-3441	On Dutch right	1750	4	0.0554	0.0040	<0.0040	<18.07	NA	NA	NA	NA

E. Sioukri

ANALYST
E. Sioukri

Spiro Dongaris

LABORATORY DIRECTOR
Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, FLAP 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.

228 East 45th Street
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(212) 922-6077
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WARREN & PANZER ENGINEERS, P. C. AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

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

P.O. _____

CLIENT: DEP
PROJECT: 55 John St
LOCATION: Swamp side Dutch

W&P FILE #: 1079-01.02
LABORATORY: _____
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: John Boyd

CONTACT: Mike Nolan

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)
01	on Dutch Left	3		7	7	1900	2310	250	1750	
02	" " Left middle	3		7	7	1902	2312	250	1750	
03	" " middle	3		7	7	1904	2314	250	1750	
04	" " Right middle	3		7	7	1906	2316	250	1750	
05	" " Right	3		7	7	1908	2318	250	1750	
06	Field Blank	1				0	0	0	0	
07	" " "	1				0	0	0	0	
08	Sealed Blank	1				0	0	0	0	

COMMENTS:

SAMPLE BY: John Boyd DATE: 12-21-02
SIGNATURE: [Signature]
RELEASED BY: John Boyd DATE: 12-21-02
SIGNATURE: [Signature]
RECEIVED BY: A. Castigalia DATE: 12/22/02
SIGNATURE: [Signature]

702-10-147

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

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