



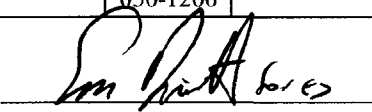
AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P. C.
LABORATORY ID #: T02-07-050
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 150/152 Chambers Street
DATE OF REPORT: 08/01/02
DATE OF ANALYSIS: 08/01/02
EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (struct./cm ³)	TOTAL ASBESTOS AIR CONC. (struc./cm ³)	TOTAL ASBESTOS FILTER CONC. (str./mm ²)	AIR CONC. FOR STRUCT. 0.5≤S<5μm	AIR CONC. FOR STRUCT. S≥5.0μm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST TYPE SPECIFY
1A	T02-07-050-1202	Entrance on east side of roof	1560	4	0.0497	0.0050	<0.0050	<20.13	NA	NA	NA	NA
2A	T02-07-050-1203	Entrance on west side of roof	1680	4	0.0497	0.0046	<0.0046	<20.13	NA	NA	NA	NA
3A	T02-07-050-1204	Center area on deck	1680	4	0.0497	0.0046	<0.0046	<20.13	NA	NA	NA	NA
4A	T02-07-050-1205	South on deck	1680	4	0.0497	0.0046	<0.0046	<20.13	NA	NA	NA	NA
5A	T02-07-050-1206	North on deck	1680	4	0.0497	0.0046	<0.0046	<20.13	NA	NA	NA	NA


ANALYST
E. Sioukri


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.



46-08 Greenpoint Avenue
Long Island City, N.Y. 11104

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TEM DEPARTMENT

TEM AHERA COUNTSHEET

TEM AHERA COUNTSHEET	
CLIENT: Warren & Ponzner	DATE: 08/01/02
PROJECT: MCDEP/150-152 Chambers	ANALYST: E.S.
BATCH #: T02-07-050	CLIENT ID #: 001A
SAMPLE ID #: T02-07-050-1202	VOLUME (l): 1560
G.O. AREA (mm ²): 0.012422	GO's TO ANALYZE: 4
MAGNIFICATION: 194	ACC. VOLTAGE (KeV): 100
INSTRUMENT: JEOL 100CX II	FILTER AREA (mm ²): 385
ANALYTICAL METHODOLOGY: EPA FEDERAL REGISTER, VOL. 52, No 210, OCT. 30, 1987, #40 CFR, PART 763, APPENDIX A TO SUBPART E	

[illegible]

Analytical Sensitivity (str/cm ²):	0.0050	Eucentricity check:	
Concentration (str/cm ²):	<0.0050	*Grid acceptance criteria check:	(A) ☐ (B) ☒
Concentration (str/mm ²):	<20.13	**CHR. # STRUCT.:	F M C B
Number of Asbestos Structures:	0.5 ≤ S < 5 μm 0	**AMPH. # STRUCT.:	F M C B
	S ≥ 5 μm 0	Specify AMPH. Type:	AM. ACT. TRE.
Number of Non-asbestos Structures:	 0	CRO. ANTH.	

*Replica covers >50%, at least 20 GO's with no overlapping or folded replica, intact GO's have >50% coverage, <50% Undissolved filter, <5% holes or opaque areas, <10% particulate coverage.

** CHR.=chrysotile, AMPH.=amphibole, AM.=amosite, ACT.=actinolite, TRE.=tremolite, CRO.=crocidolite, ANTH.=anthophyllite

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TEM AHERA COUNTSHEET

TEM AHERA COUNTSHEET	
CLIENT: Warren & Ponzner	DATE: 08/01/02
PROJECT: MCDEP/150-152 Chambers	ANALYST: E.S.
BATCH #: T02-07-050	CLIENT ID #: 002A
SAMPLE ID #: T02-07-050-1203	VOLUME (l): 1560
G.O. AREA (mm ²): 0.012422	GO's TO ANALYZE: 4
MAGNIFICATION: 194	ACC. VOLTAGE (Kv): 100
INSTRUMENT: JEOL 100CX II	FILTER AREA (mm ²): 385
ANALYTICAL METHODOLOGY: EPA FEDERAL REGISTER, VOL. 52, No 210, OCT. 30, 1987, #40 CFR, PART 763, APPENDIX A TO SUBPART E	

[illegible]

Analytical Sensitivity (str/cm ²):	0.0050	Eucentricity check:	
Concentration (str/cm ²):	< 0.0050	*Grid acceptance criteria check:	(A) ✓ (B) ✓
Concentration (str/mm ²):	< 20.13	**CHR. # STRUCT.:	F M C B
Number of Asbestos Structures:	0.5 ≤ S < 5 μm ... 0	**AMPH. # STRUCT.:	F M C B
	S ≥ 5 μm ... 0	Specify AMPH. Type:	AM. ACT. TRE.
Number of Non-asbestos Structures:	0	CRO. ANTH.	

* Reptilia covers >50%, at least 20 GO's with no overlapping or folded reptilia, intact GO's have >50% coverage, <50% Undissolved filler, <5% holes or opaque areas, <10% particulate coverage.

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TEM ABERA COUNTSHEET

CLIENT: Warren & Ponzner	DATE: 08/01/02
PROJECT: MCDOP/150-152 Chambers	ANALYST: E.S.
BATCH #: T02-07-050	CLIENT ID #: 003A
SAMPLE ID #: T02-07-050-1204	VOLUME (ll): 1560
G.O. AREA (mm ²): 0.012422	GO's TO ANALYZE: 4
MAGNIFICATION: 194	ACC. VOLTAGE (KeV): 100
INSTRUMENT: JEOL 100CX II	FILTER AREA (mm ²): 385
ANALYTICAL METHODOLOGY: EPA FEDERAL REGISTER, VOL. 52, No 210, OCT. 30, 1987, #40 CFR, PART 763, APPENDIX A TO SUBPART B	

[illegible]

Analytical Sensitivity (str/cm ³):	0.0050	Eucentricity check:	
Concentration (str/cm ³):	<0.0050	*Grid acceptance criteria check:	(A)...✓(B).....✓
Concentration (str/mm ²):	<20.13	**CHR. # STRUCT.:	F M C B
Number of Asbestos Structures:	0.5 ≤ S < 5 μm ... 0	**AMPH. # STRUCT.:	F M C B
	S ≥ 5 μm 0	Specify AMPH. Type:	AM. ACT. TRE.
Number of Non-asbestos Structures:	 0	CRO. ANTH.	

*Replica covers >50% at least 20 GO's with no overlapping or folded replica, intact GO's have >30% coverage, <30% Undissolved filter, <5% holes or opaque areas, <10% particulate coverage.

* CHR.=chrysotile, AMPH.=amphibole, AM.=amosite, ACT.=actinolite, TRE.=tremolite, CRO.=crocidolite, ANTH.=anthophyllite

