



ATHENICA

ENVIRONMENTAL SERVICES INC.

45-09 Greenpoint Avenue
Long Island City, N.Y. 11104

Tel. (718) 784-7480
Fax (718) 784-4085

TEM DEPARTMENT

TEM AHERA COUNTSHEET

CLIENT: WARREN & PANZER	DATE: 11/15/02
PROJECT: NCDEP/124 LIBERTY ST.	ANALYST: E.S.
BATCH #: T02-11-071	CLIENT ID #: 1D01
SAMPLE ID #: T02-11-071-4060	VOLUME (lt): 1650
G.O. AREA (mm ²): 0.013433	GO's TO ANALYZE: 4
MAGNIFICATION: 19K	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 ³):	0.0043	Eucentricity check :	
Concentration (str/cm ³) :	<0.0043	*Grid acceptance criteria check :	(A) ☒ (B) ☒
Concentration (str/mm ²) :	<18.6	**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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CLIENT: WARREN & PANZER	DATE: 11/15/02
PROJECT: NCDOP/124 LIBERTY ST.	ANALYST: ES.
BATCH #: T02-11-071	CLIENT ID #: 1D02
SAMPLE ID #: T02-11-071-4061	VOLUME (lt): 1650
G.O. AREA (mm ²): 0.013433	GO's TO ANALYZE: 4
MAGNIFICATION: 19K	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 ³):	0.0043	Eucentricity check:	
Concentration (str/cm ³):	<0.0043	*Grid acceptance criteria check:	(A).....(B).....
Concentration (str/mm ²):	218.61	**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.

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CITY 21MC100 003009541



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CLIENT : WARREN & PANZER	DATE : 11/15/02
PROJECT : NCDEP/124 LIBERTY ST.	ANALYST : E.S.
BATCH # : T02-11-071	CLIENT ID # : ID03
SAMPLE ID # : T02-11-071-4062	VOLUME (lt) : 1650
G.O. AREA (mm ²) : 0.013433	GO's TO ANALYZE : 4
MAGNIFICATION : 19K	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 ³):	0.0043	Eucentricity check:	
Concentration (str/cm ³):	<0.0043	*Grid acceptance criteria check:	(A) ✓ (B) ✓
Concentration (str/mm ³):	218.61	**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.

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Fax (718) 784-4086

TEM AHERA COUNTSHEET

CLIENT : WARREN & PANZER	DATE : 11/15/02
PROJECT : NCDEP/124 LIBERTY ST.	ANALYST : E.S.
BATCH # : T02-11-071	CLIENT ID # : 1D04
SAMPLE ID # : T02-11-071-4063	VOLUME (lt) : 1650
G.O. AREA (mm ²) : 0.013433	GO's TO ANALYZE : 4
MAGNIFICATION : 19K	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 ³):	0.0043	Eucentricity check:	
Concentration (str/cm ³):	<0.0043	*Grid acceptance criteria check:	(A).....(B).....
Concentration (str/mm ²):	<18.61	**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.

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CLIENT: WARREN & PANZER	DATE: 11/15/02
PROJECT: NCDP/124 LIBERTY ST.	ANALYST: ES.
BATCH #: T02-11-071	CLIENT ID #: 1005
SAMPLE ID #: T02-11-071-4064	VOLUME (lt): 1650
G.O. AREA (mm ²): 0.013433	GO's TO ANALYZE: 4
MAGNIFICATION: 19K	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	

GRI D	GO ID	Str. #	Str. Classf.	L (μm)	W (μm)	Structure sketch	SAE D	EDXA	PHO TO#	ID
B	C4	MSD								
	F7	MSD								
A	G5	MSD								
	D4	MSD								

Analytical Sensitivity (str/cm ³): 0.0043	Eucentricity check:
Concentration (str/cm ³): <0.0043	*Grid acceptance criteria check: (A)...✓ (B)....✓
Concentration (str/mm ²): 218.01	**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.

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