



ATHENICA
ENVIRONMENTAL SERVICES INC.

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

TEM DEPARTMENT

Tel. (718) 784-7490
Fax (718) 784-4085

TEM AHERA COUNTSHEET

CLIENT : <i>Warren & Pauzer</i>	DATE : <i>8/18/02</i>
PROJECT : <i>NYC DEP/ 20 Broad Street</i>	ANALYST : <i>E.S.</i>
BATCH # : <i>T02-08-094</i>	CLIENT ID # : <i>01</i>
SAMPLE ID # : <i>T02-08-094-1673</i>	VOLUME (lt) : <i>1300</i>
G.O. AREA (mm²) : <i>0.012422</i>	GO's TO ANALYZE : <i>5</i>
MAGNIFICATION : <i>194</i>	ACC. VOLTAGE (KeV) : <i>100</i>
INSTRUMENT : <i>JEOL 100CX II</i>	FILTER AREA (mm²) : <i>385</i>
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	C5	NSD								
	I3	NSD								
	G9	NSD								
A	B4	NSD								
	E7	NSD								

Analytical Sensitivity (str/cm³): <i>0.0048</i>	Eucentricity check : ☒
Concentration (str/cm³): <i>20.0048</i>	*Grid acceptance criteria check : (A)..... (B).....
Concentration (str/mm²): <i>216-10</i>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : <i>0.5 ≤ S < 5 μm : 0...</i>	**AMPH. # STRUCT.: F M C B
<i>S ≥ 5 μm : 0</i>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures: <i>0</i>	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 : <i>Warren & Pauzer</i>	DATE : <i>8/18/02</i>
PROJECT : <i>NYC DEP/ 20 Broad street</i>	ANALYST : <i>E.S.</i>
BATCH # : <i>T02-08-094</i>	CLIENT ID # : <i>02</i>
SAMPLE ID # : <i>T02-08-094-1674</i>	VOLUME (lt) : <i>1300</i>
G.O. AREA (mm ²) : <i>0.012422</i>	GO's TO ANALYZE : <i>5</i>
MAGNIFICATION : <i>194</i>	ACC. VOLTAGE (KeV) : <i>100</i>
INSTRUMENT : <i>JEOL 100CX II</i>	FILTER AREA (mm ²) : <i>385</i>
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
<i>A</i>	<i>F3</i>	<i>NSD</i>								
	<i>C5</i>	<i>NSD</i>								
<i>B</i>	<i>G4</i>	<i>NSD</i>								
	<i>E7</i>	<i>NSD</i>								
	<i>I7</i>	<i>NSD</i>								

Analytical Sensitivity (str/cm ²): <i>0.0048</i>	Eucentricity check :
Concentration (str/cm ²): <i>20.0048</i>	*Grid acceptance criteria check : (A) <i>✓</i> (B) <i>✓</i>
Concentration (str/mm ²): <i>216.10</i>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : 0.5 ≤ S < 5 μm ... <i>0</i> .	**AMPH. # STRUCT.: F M C B
S ≥ 5 μm <i>0</i>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures: <i>0</i>	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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TEM AHERA COUNTSHEET

CLIENT: Warren & Pauzer	DATE: 8/18/02
PROJECT: NYCDP/ 20 Broad Street	ANALYST: E.S.
BATCH #: T02-08-094	CLIENT ID #: 03
SAMPLE ID #: T02-08-094-1675	VOLUME (lit): 1310
G.O. AREA (mm ²): 0.012422	GO's TO ANALYZE: 5
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 ³):	0.0047	Eucentricity check :	
Concentration (str/cm ²) :	<0.0047	*Grid acceptance criteria check :	(A) ☒ (B) ☒
Concentration (str/mm ²) :	<16.10	**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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TEM AHERA COUNTSHEET

CLIENT : <u>Warren & Pauzer</u>	DATE : <u>8/18/02</u>
PROJECT : <u>NYCDEP/ 20 Broad Street</u>	ANALYST : <u>E.S.</u>
BATCH # : <u>T02-08-094</u>	CLIENT ID # : <u>04</u>
SAMPLE ID # : <u>T02-08-094-1676</u>	VOLUME (lt) : <u>13/0</u>
G.O. AREA (mm ²) : <u>0.019422</u>	GO's TO ANALYZE : <u>5</u>
MAGNIFICATION : <u>194</u>	ACC. VOLTAGE (KeV) : <u>100</u>
INSTRUMENT : <u>JEOL 100CX II</u>	FILTER AREA (mm ²) : <u>385</u>
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
A	E6	NSD								
	B2	NSD								
B	I3	NSD								
	F9	NSD								
	D8	NSD								

Analytical Sensitivity (str/cm ³): <u>0.0047</u>	Eucentricity check : <u>✓</u>
Concentration (str/cm ³): <u><0.0047</u>	*Grid acceptance criteria check : (A)... (B)... <u>✓</u>
Concentration (str/mm ²): <u><16.10</u>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : 0.5 ≤ S < 5 μm <u>0...</u>	**AMPH. # STRUCT.: F M C B
S ≥ 5 μm <u>0...</u>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures: <u>0...</u>	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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TEM AHERA COUNTSHEET

CLIENT : <u>Warren & Pauer</u>	DATE : <u>8/18/02</u>
PROJECT : <u>NYC DEP/ 20 Broad Street</u>	ANALYST : <u>C.S.</u>
BATCH # : <u>T02-08-094</u>	CLIENT ID # : <u>05</u>
SAMPLE ID # : <u>T02-08-094-16 77</u>	VOLUME (ll) : <u>1310</u>
G.O. AREA (mm ²) : <u>0.012422</u>	GO's TO ANALYZE : <u>5</u>
MAGNIFICATION : <u>194</u>	ACC. VOLTAGE (KeV) : <u>100</u>
INSTRUMENT : <u>JEOL 100CX II</u>	FILTER AREA (mm ²) : <u>385</u>
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	C5	NSD								
	B2	NSD								
A	G4	NSD								
	C7	NSD								
	I2	NSD								

Analytical Sensitivity (str/cm ³): <u>0.0047</u>	Eucentricity check : <u>/</u>
Concentration (str/cm ³): <u>40.0047</u>	*Grid acceptance criteria check : (A) <u>✓</u> (B) <u>✓</u>
Concentration (str/mm ²): <u>416.10</u>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : 0.5 ≤ S < 5 μm <u>0...</u>	**AMPH. # STRUCT.: F M C B
S ≥ 5 μm <u>0...</u>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures: <u>0...</u>	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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TEM AHERA COUNTSHEET

CLIENT : <i>Warren & Pauzer</i>	DATE : <i>8/18/02</i>
PROJECT : <i>NYC DEP/ 20 Broad Street</i>	ANALYST : <i>E.S.</i>
BATCH # : <i>T02-08-094</i>	CLIENT ID # : <i>06</i>
SAMPLE ID # : <i>T02-08-094-1674</i>	VOLUME (lit) : <i>1300</i>
G.O. AREA (mm ²) : <i>0.012422</i>	GO's TO ANALYZE : <i>5</i>
MAGNIFICATION : <i>194</i>	ACC. VOLTAGE (KeV) : <i>100</i>
INSTRUMENT : <i>JEOL 100CX II</i>	FILTER AREA (mm ²) : <i>385</i>
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
A	E4	NSD								
	C7	NSD								
	I6	NSD								
B	B8	NSD								
	H2	NSD								

Analytical Sensitivity (str/cm ³): <i>0.0048</i>	Eucentricity check :
Concentration (str/cm ³): <i>20.0048</i>	*Grid acceptance criteria check : (A) <i>/</i> (B) <i>/</i>
Concentration (str/mm ²): <i>216.10</i>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : 0.5 ≤ S < 5 μm ... <i>0</i>	**AMPH. # STRUCT.: F M C B
S ≥ 5 μm <i>0</i>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures: <i>0</i>	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 : <i>Warren & Pauer</i>	DATE : <i>8/18/02</i>
PROJECT : <i>NYC DEP/ 20 Broad Street</i>	ANALYST : <i>E.S.</i>
BATCH # : <i>T02-08-094</i>	CLIENT ID # : <i>07</i>
SAMPLE ID # : <i>T02-08-094-1679</i>	VOLUME (lt) : <i>1310</i>
G.O. AREA (mm ²) : <i>0.012422</i>	GO's TO ANALYZE : <i>5</i>
MAGNIFICATION : <i>194</i>	ACC. VOLTAGE (KeV) : <i>100</i>
INSTRUMENT : JEOL 100CX II	FILTER AREA (mm ²) : <i>385</i>
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
<i>B</i>	<i>G2</i>	<i>NSD</i>								
	<i>D4</i>	<i>NSD</i>								
<i>A</i>	<i>E5</i>	<i>NSD</i>								
	<i>B8</i>	<i>NSD</i>								
	<i>G10</i>	<i>NSD</i>								

Analytical Sensitivity (str/cm ²): <i>0.0047</i>	Eucentricity check :
Concentration (str/cm ²): <i>60.6047</i>	*Grid acceptance criteria check : (A)... ☒ (B)... ☒
Concentration (str/mm ²): <i>216.10</i>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : <i>0.5 ≤ S < 5 μm .. 0..</i>	**AMPH. # STRUCT.: F M C B
<i>S ≥ 5 μm 0.</i>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures:..... <i>0.</i>	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 & Pauzer	DATE : 8/18/02
PROJECT : MCDEP/ 20 Broad Street	ANALYST : E.S.
BATCH # : T02-08-094	CLIENT ID # : 08
SAMPLE ID # : T02-08-094-1680	VOLUME (lt) : 13/0
G.O. AREA (mm ²) : 0.012422	GO's TO ANALYZE : 5
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 ³):	0.0047	Eucentricity check:	/
Concentration (str/cm ³):	50.0047	*Grid acceptance criteria check:	(A).... (B)....
Concentration (str/mm ²):	416.10	**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.	

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TEM AHERA COUNTSHEET

CLIENT: <i>Warren & Pauzer</i>	DATE: <i>8/18/02</i>
PROJECT: <i>NYCDEP/ 20 Broad Street</i>	ANALYST: <i>E.S.</i>
BATCH #: <i>T02-08-094</i>	CLIENT ID #: <i>09</i>
SAMPLE ID #: <i>T02-08-094-164</i>	VOLUME (lt): <i>13/0</i>
G.O. AREA (mm ²): <i>0.012422</i>	GO's TO ANALYZE: <i>5</i>
MAGNIFICATION: <i>194</i>	ACC. VOLTAGE (KeV): <i>100</i>
INSTRUMENT: <i>JEOL 100CX II</i>	FILTER AREA (mm ²): <i>385</i>
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	J7	NSD								
	C2	NSD								
A	B4	NSD								
	G9	NSD								
	F3	NSD								

Analytical Sensitivity (str/cm ³): <i>0.0047</i>	Eucentricity check: ☒
Concentration (str/cm ³): <i><0.0047</i>	*Grid acceptance criteria check: (A).....(B).....
Concentration (str/mm ²): <i>416.16</i>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures: <i>0.5 ≤ S < 5 μm 0</i>	**AMPH. # STRUCT.: F M C B
<i>S ≥ 5 μm 0</i>	Specify AMPH. Type: AM. ACT. TRE.
Number of Non-asbestos Structures: <i>0</i>	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 : <i>Warren & Pauzer</i>	DATE : <i>8/18/02</i>
PROJECT : <i>NYC DEP/ 20 Broad Street</i>	ANALYST : <i>E.S.</i>
BATCH # : <i>T02-08-094</i>	CLIENT ID # : <i>10</i>
SAMPLE ID # : <i>T02-08-094-1642</i>	VOLUME (lt) : <i>1330</i>
G.O. AREA (mm ²) : <i>0.012422</i>	GO's TO ANALYZE : <i>5</i>
MAGNIFICATION : <i>194</i>	ACC. VOLTAGE (KeV) : <i>100</i>
INSTRUMENT : <i>JEOL 100CX II</i>	FILTER AREA (mm ²) : <i>385</i>
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
A	A5	NSD								
	D8	NSD								
B	D3	NSD								
	B5	NSD								
	F8	NSD								

Analytical Sensitivity (str/cm ³): <i>0.0047</i>	Eucentricity check : ☒
Concentration (str/cm ³): <i>< 0.0047</i>	*Grid acceptance criteria check : (A)... (B)...
Concentration (str/mm ²): <i>< 16.10</i>	**CHR. # STRUCT.: F M C B
Number of Asbestos Structures : 0.5 ≤ S < 5 μm : <i>0</i>	**AMPH. # STRUCT.: F M C B
S ≥ 5 μm : <i>0</i>	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures: <i>0</i>	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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