NYC 9/11 Public Portal Document

ATHENICA
ENVIRONMENTAL SERVICES INC.

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

Tel. (718) 784-7490
Fax (718) 784-4065

TEM DEPARTMENT

TEM AHERA COUNTSHEET

CLIENT : WARREN & PANZER	**DATE :** 10/20/02
PROJECT : MCDEP/55 JOHN ST.	**ANALYST :** E.S.
BATCH # : TO2-10-125	**CLIENT ID # :** 09
SAMPLE ID # : TO2-10-125-3312	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
A	B7	NSD								
	E9	NSD								
B	G6	NSD								
	E4	NSD								
	B7	NSD								

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) :	<14.45	**CHR. # STRUCT. : F M C B	
Number of Asbestos Structures :	0.5≤S<5µm ..0.	**AMPH. # STRUCT.:F M C B	
	S≥5µm .....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 :** 10/20/02
PROJECT : NYCDEP/55 JOHN ST.	**ANALYST :** E.S.
BATCH # : T02-10-125	**CLIENT ID # :** 10
SAMPLE ID # : T02-10-125-3313	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
B	C6	NSD								
	F4	NSD								
A	D5	NSD								
	G6	NSD								
	H3	NSD								

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) : <14.45	**CHR. # STRUCT. : F M C B
Number of Asbestos Structures : 0.5≤S<5µm ..0..	**AMPH. # STRUCT.:F M C B
S≥5µm .....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 :** 10/20/02
PROJECT : NYC DEP/55 JOHN ST.	**ANALYST :** ES
BATCH # : TO2-10-125	**CLIENT ID # :** 11
SAMPLE ID # : TO2-10-125-3314	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
A	G3	NSD								
	F6	NSD								
	E2	NSD								
B	J7	NSD								
	F9	NSD								

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) : <14.45	**CHR. # STRUCT. : F M C B
Number of Asbestos Structures : 0.5≤S<5µm ..0..	**AMPH. # STRUCT.:F M C B
S≥5µm .....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 DEPARTMENT

TEM AHERA COUNTSHEET

CLIENT : WARREN & PANZER	**DATE :** 10/20/02
PROJECT : NYC DEP/55 JOHN ST.	**ANALYST :** E.S.
BATCH # : TO2-10-125	**CLIENT ID # :** 12
SAMPLE ID # : TO2-10-125-3315	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
B	G7	NSD								
	D3	NSD								
A	D8	NSD								
	H1	NSD								
	F7	NSD								

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) : <14.45	**CHR. # STRUCT. : F M C B
Number of Asbestos Structures : 0.5≤S<5µm ..0.	**AMPH. # STRUCT.:F M C B
S≥5µm .....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 DEPARTMENT

TEM AHERA COUNTSHEET

CLIENT : WARREN & PANZER	**DATE :** 10/20/02
PROJECT : NYCDEP/55 JOHN ST.	**ANALYST :** E.S.
BATCH # : TO2-10-125	**CLIENT ID # :** 13
SAMPLE ID # : TO2-10-125-3316	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
A	F6	NSD								
	I2	NSD								
	H8	NSD								
B	C8	NSD								
	F5	NSD								

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) : <14.45	**CHR. # STRUCT. : F M C B
Number of Asbestos Structures : 0.5≤S<5µm ...0..	**AMPH. # STRUCT.:F M C B
S≥5µm .....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 :** 10/20/02
PROJECT : NYCDEP/55 JOHN ST.	**ANALYST :** ES.
BATCH # : TO2-10-125	**CLIENT ID # :** 14
SAMPLE ID # : TO2-10-125-3317	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
B	H4	NSD								
	G8	NSD								
	C3	NSD								
A	F7	NSD								
	D6	NSD								

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) : <14.45	**CHR. # STRUCT. : F M C B
Number of Asbestos Structures : 0.5≤S<5µm ..0...	**AMPH. # STRUCT.:F M C B
S≥5µm .....0..	Specify AMPH. Type : AM. ACT. TRE.
Number of Non-asbestos Structures:.....0...	CRO. ANTH.

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CLIENT : WARREN & PANZER	**DATE :** 10/20/02
PROJECT : NYCDEP/55 JOHN ST.	**ANALYST :** ES
BATCH # : TO2-10-125	**CLIENT ID # :** 15
SAMPLE ID # : TO2-10-125-3318	**VOLUME (lt) :** 1300
G.O. AREA (mm^2) : 0.013838	**GO's TO ANALYZE :** 5
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

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
B	I4	NSD								
	C3	NSD								
	E7	NSD								
B	D5	NSD								
	F8	NSD								

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) : <14.45	**CHR. # STRUCT. : F M C B
Number of Asbestos Structures : 0.5≤S<5µm .0...	**AMPH. # STRUCT.:F M C B
S≥5µm ....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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