NYC 9/11 Public Portal Document

ATHENICA
ENVIRONMENTAL SERVICES INC.

45-08 Greenpoint Avenue
Long Island City, N.Y. 11104

TEM DEPARTMENT

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

TEM AHERA COUNTSHEET

CLIENT : WARREN & PANZER	DATE : 9/20/02
PROJECT : NYCDEP/25 MAIDEN LANE	ANALYST : ES
BATCH # : T02-09-067	CLIENT ID # : 01
SAMPLE ID # : T02-09-067-2405	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.013838	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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
B	B3	1	M	14.0	2.5		dwr	Mg, Si, Fe		dwr
	G7	NSD								
A	D3	NSD								
	F7	NSD								

Analytical Sensitivity (str/cm^3): 0.0039	Eucentricity check : ✓
Concentration (str/cm^3) : 0.0039	*Grid acceptance criteria check : (A)..✓.. (B)✓....
Concentration (str/mm^2) : 18.07	**CHR. # STRUCT. : F 0 M 0 C 0 B 0
Number of Asbestos Structures : 0.5≤S<5µm ...0..	**AMPH. # STRUCT.: F M C B
S≥5µm ...0.1..	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

CLIENT : WARREN & PANZER	DATE : 9/20/02
PROJECT : NYC DEP/25 MAIDEN LANE	ANALYST : ES
BATCH # : TO2-09-067	CLIENT ID # : 02
SAMPLE ID # : TO2-09-067-2406	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.013838	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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
A	E4	NSD								
	H7	1	M	7.0	0.4		dur	Mg Si Fe		dur
B	C4	NSD								
	G9	NSD								

Analytical Sensitivity (str/cm^3): 0.0039	Eucentricity check : ✓
Concentration (str/cm^3) : 0.0039	*Grid acceptance criteria check : (A)..✓.. (B)..✓
Concentration (str/mm^2) : 18.07	**CHR. # STRUCT. : F 0 M 0 C 0 B 0
Number of Asbestos Structures : 0.5≤S<5µm ..0..	**AMPH. # STRUCT.:F M C B
S≥5µm 0.1	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 : 9/20/02
PROJECT : NYC DEP/25 MAIDEN LANE	ANALYST : ES
BATCH # : TO2-09-067	CLIENT ID # : 03
SAMPLE ID # : TO2-09-067-2407	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.013838	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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
A	I2	NSD								
	E5	1	M	3.7	1.25	[sketch]	dur	Mg,Si,Fe		dur
B	G1	NSD								
	H8	NSD								

Analytical Sensitivity (str/cm^3): 0.0039	Eucentricity check : ✓
Concentration (str/cm^3) : 0.0039	*Grid acceptance criteria check : (A)..✓... (B)..✓...
Concentration (str/mm^2) : 18.07	**CHR. # STRUCT. : F 0 M 01 C 0 B 0
Number of Asbestos Structures : 0.5≤S<5µm ..01	**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 : 9/20/02
PROJECT : NYC DEP/25 MAIDEN LANE	ANALYST : ES
BATCH # : T02-09-067	CLIENT ID # : 04
SAMPLE ID # : T02-09-067-2404	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.013838	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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
B	H7	1	M	6.0	3.0	[redacted]	chr	Mg,Si,Fe		chr
	E9	NSD								
A	C7	NSD								
	I2	1	M	12.5	2.25	[redacted]	chr	Mg,Si,Fe		chr

Analytical Sensitivity (str/cm^3): 0.0039	Eucentricity check : ✓
Concentration (str/cm^3) : 0.0078	*Grid acceptance criteria check : (A)..... ✓ (B)..... ✓
Concentration (str/mm^2) : 36.14	**CHR. # STRUCT. : F 0 M 02 C 0 B 0
Number of Asbestos Structures : 0.5≤S<5µm ..0..	**AMPH. # STRUCT.:F M C B
S≥5µm 02	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 : 9/20/02
PROJECT : NYCDEP/25 MAIDEN LANE	ANALYST : ES
BATCH # : T02-09-067	CLIENT ID # : 05
SAMPLE ID # : T02-09-067-2409	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.013838	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	

GRID	GO ID	Str. #	Str. Classf.	L (µm)	W (µm)	Structure sketch	SAED	EDXA	PHOTO#	ID
A	H6	1	M	4.0	1.0	[redacted]	chr	Mg, Si, Fe		chr
	D8	NSD								
B	B8	1	M	11.0	1.0	[redacted]	chr	Mg, Si, Fe		chr
	E5	NSD								

Analytical Sensitivity (str/cm^3): 0.0039	Eucentricity check : ✓
Concentration (str/cm^3) : 0.0078	*Grid acceptance criteria check : (A)...✓ (B)...✓
Concentration (str/mm^2) : 36.14	**CHR. # STRUCT. : F 0 M 0 2 C 0 B 0
Number of Asbestos Structures : 0.5≤S<5µm ..0.1.	**AMPH. # STRUCT.: F M C B
S≥5µm .....0.1.	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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