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) 784-4085

TEM DEPARTMENT

TEM AHERA COUNTSHEET

CLIENT : WARREN & PANZER	DATE : 12/16/02
PROJECT : NYCDEP/14 WALL ST.	ANALYST : END
BATCH # : T02-12-028	CLIENT ID # : 01
SAMPLE ID # : T02-12-028-4473	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.012820	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	G3	NSD								
	D8	NSD								
A	E6	NSD								
	G7	NSD								

Analytical Sensitivity (str/cm^3): 0.0042	Eucentricity check : ✓
Concentration (str/cm^3) : <0.0042	*Grid acceptance criteria check : (A)..✓.. (B)✓....
Concentration (str/mm^2) : <19.50	**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

NYC-WTC_000347472

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CLIENT : WARREN & PANZER	DATE : 12/16/02
PROJECT : NYCDEP/14 WALL ST.	ANALYST : END
BATCH # : T02-12-028	CLIENT ID # : 02
SAMPLE ID # : T02-12-028-4474	VOLUME (lt) : 1800
G.O. AREA (mm^2) : 0.012820	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	I7	NSD								
	D5	NSD								
	G2	NSD								
	B4	NSD								

Analytical Sensitivity (str/cm^2): 0.0042	Eucentricity check :
Concentration (str/cm^2) : <0.0042	*Grid acceptance criteria check : (A)... (B)... ✓
Concentration (str/mm^2) : <19.50	**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 : 12/16/02
PROJECT : NYCDEP/14 WALL ST.	ANALYST : END
BATCH # : T02-12-026	CLIENT ID # : 03
SAMPLE ID # : T02-12-028-4475	VOLUME (lt) : 1790
G.O. AREA (mm^2) : 0.012820	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	D8									
	F3									
A	G9									
	E6									

Analytical Sensitivity (str/cm^3): 0.0042	Eucentricity check : ✓
Concentration (str/cm^3) : <0.0042	*Grid acceptance criteria check : (A)...✓ (B)...✓
Concentration (str/mm^2) : <19.50	**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 : 12/16/02
PROJECT : NYCDEP/14 WALL ST.	ANALYST : END
BATCH # : T02-12-028	CLIENT ID # : 04
SAMPLE ID # : T02-12-028-4476	VOLUME (lt) : 1790
G.O. AREA (mm^2) : 0.012820	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	F6	NSD								
	B8	NSD								
B	F3	NSD								
	E8	NSD								

Analytical Sensitivity (str/cm^3): 0.0042	Eucentricity check :
Concentration (str/cm^3) : <0.0042	*Grid acceptance criteria check : (A)../.. (B)../...
Concentration (str/mm^2) : <19.50	**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 : 12/16/02
PROJECT : NYCDEP/14 WALL ST.	ANALYST : END
BATCH # : T02-12-028	CLIENT ID # : 05
SAMPLE ID # : T02-12-028-4477	VOLUME (lt) : 930
G.O. AREA (mm^2) : 0.012820	GO's TO ANALYZE : 7
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	H8	NSD								
	D6	NSD								
	C3	NSD								
A	C8	NSD								
B	F4	NSD								
	I5	NSD								
	B9	NSD								

Analytical Sensitivity (str/cm^2): 0.0046	Eucentricity check :
Concentration (str/cm^3) : <0.0046	*Grid acceptance criteria check : (A). ✓ (B). ✓
Concentration (str/mm^2) : <19.50	**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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