NYC 9/11 Public Portal Document

EMSL Analytical, Inc.

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Carle Place, NY 11514
Phone: (516) 997-7251 Fax: (516) 997-7528

Attn.:
Pedneault Associates, Inc.
1615 Ninth Avenue
Bohemia, NY 11716

Tuesday, September 25, 2001

Ref Number: LI0114992

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Project: 01090304

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
922302/001	675.00	Overloaded							
922A307001	675.00	None Detected			0	0.1143	0.0050	<8.75	<0.0050
922A040001	600.00	None Detected			3	0.1270	0.0051	<7.87	<0.0051
922302/005	600.00	None Detected			0	0.1270	0.0051	<7.87	<0.0051
923A307005	675.00	Overloaded							
923A307004	675.00	Chrysotile	4	3	0	0.1143	0.0050	61.24	0.0349

Note: This analysis doesn't meet AHERA protocol; sample seal broken & insufficient volume.

Michelle McGowan
Analyst

Approved Signatory

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CITY_21MC100_002965292

NYC-WTC_000187137

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Project: 01090304

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913A207-001	375.00	Overloaded							
913A207-002	600.00	Overloaded							
914A003-003	600.00	Chrysotile	2		0	0.1397	0.0046	14.32	0.0092
914A003-004	585.00	Overloaded							
914A003-006	525.00	None Detected			0	0.1524	0.0048	<6.56	<0.0048
915302-1	600.00	Overloaded							

Note: This analysis doesn't meet AHERA protocol; sample seal broken & insufficient volume.

Keith McWilliams
Analyst

Approved Signatory

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Project: 01090304

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
915302-2	450.00	Overloaded							
915LAB3-1	450.00	Overloaded							
915LAB3-2	675.00	Overloaded							
915LAB3-3	450.00	Overloaded							
915LAB1-1	675.00	Chrysotile	9	6	0	0.1143	0.0050	131.23	0.0749
915LAB1-2	750.00	Overloaded							

Note: This analysis doesn't meet AHERA protocol; sample seal broken & insufficient volume.

Keith McWilliams
Analyst

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Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
915A307001	525.00	Chrysotile	20	9	0	0.2413	0.0030	120.18	0.0881
915A307002	750.00	Overloaded							
915A307003	450.00	Overloaded							
916A207001	1800.00	Overloaded							
916A207002	1800.00	Chrysotile	2		0	0.0508	0.0042	39.37	0.0084
916A207003	450.00	Chrysotile	3	1	0	0.0508	0.0168	78.74	0.0674

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Keith McWilliams
Analyst

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Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	≥ 5µ	Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)
916A207004	675.00	Overloaded							
916302/001	600.00	Overloaded							
916302/002	600.00	Overloaded							
916302/003	600.00	Chrysotile	12	5	0	0.1397	0.0046	121.69	0.0781
916LAB1-1	675.00	Chrysotile	7	2	0	0.1143	0.0050	78.74	0.0449
916LAB1-2	450.00	Chrysotile	9	4	6	0.1270	0.0067	102.36	0.0876

Note: This analysis doesn't meet AHERA protocol; sample seal broken & insufficient volume.

Daniel Clarke
Analyst

Approved Signatory

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916A307001 ✓	525.00	Overloaded							
916A307002 ✓	600.00	Overloaded							
917LAB3-1 ✓	900.00	Chrysotile	1	1	0	0.0889	0.0048	22.50	0.0096
917LAB3-2 ✓	900.00	None Detected			0	0.0889	0.0048	<11.25	<0.0048
917LAB1-1 ✓	675.00	Chrysotile	4	1	0	0.1143	0.0050	43.74	0.0250
917A307001 ✓	450.00	Overloaded							

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Daniel Clarke
Analyst

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Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
917302001 ✓	675.00	Overloaded							
917LAB3-1 ✓	675.00	Chrysotile	5	2	0	0.1143	0.0050	61.24	0.0349
917A307002 ✓	1800.00	Chrysotile	1		0	0.0508	0.0042	19.69	0.0042
917302/002 ✓	1800.00	None Detected			0	0.0508	0.0042	<19.69	<0.0042
918/307001 ✓	675.00	Chrysotile	4	2	0	0.1143	0.0050	52.49	0.0299
918302/002 ✓	1350.00	Insuff. Material							

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Analyst

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918/307002	1350.00	Overloaded							
918A207001	600.00	Chrysotile	15	5	0	0.1270	0.0051	157.48	0.1010
918LAB3-1	450.00	None Detected			1	0.1270	0.0067	<7.87	<0.0067
918302/001	600.00	Overloaded							
918A207002	450.00	Overloaded							
918A003-001	525.00	Chrysotile	8	6	0	0.1270	0.0058	110.24	0.0808

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CITY_21MC100_002965299

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Project: 01090304

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
919A307002	675.00	None Detected			0	0.1143	0.0050	<8.75	<0.0050
919A307003	675.00	Chrysotile	2		0	0.1143	0.0050	17.50	0.0100
919A307004	675.00	Overloaded							
919LAB3-3	450.00	Overloaded							
919LAB3-4	450.00	Chrysotile	4		0	0.1270	0.0067	31.50	0.0269
919LAB3-2	450.00	Chrysotile	17	2	3	0.1270	0.0067	149.61	0.1280

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Michelle McGowan
Analyst

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Project: 01090304

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	≥ 5µ	Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)
919LAB3-5 √	450.00	Overloaded							
919A003001 √	675.00	Chrysotile	13	1	1	0.1143	0.0050	122.48	0.0699
919302/001 √	675.00	Overloaded							
919302/002 √	675.00	Chrysotile	1		2	0.1143	0.0050	8.75	0.0050
920LAB3-2 √	450.00	Chrysotile	1	1	5	0.1270	0.0067	15.75	0.0135
921LAB3-2 √	525.00	Chrysotile	9	1	0	0.1270	0.0058	78.74	0.0577

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921LAB3-3	510.00	Overloaded							
921LAB3-5	450.00	Chrysotile	6	1	0	0.1270	0.0067	55.12	0.0472
921302/001	675.00	None Detected			2	0.1270	0.0045	<7.87	<0.0045
921302/002	675.00	Chrysotile	9		0	0.1143	0.0050	78.74	0.0449
922LAB3-3	450.00	None Detected			0	0.1270	0.0067	<7.87	<0.0067
922LAB3-4	600.00	Chrysotile	3		3	0.1270	0.0051	23.62	0.0152

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