NYC 9/11 Public Portal Document

NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 01/08/02 1200 to 2359

Data Validation Date: 01/11/02

					PCM by NIOSH 7400		TEM (AHERA)				
							Structures (#)				
Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	f/mm²	f/cc	0.5µ - 5µ	5µ	S/mm²	S~f/cc**	PCM fibers PCM # fields
01/08/02	RST-02979	L	369	Air	<7.0	<0.007	4***	0	32.00	0.0334	100
01/08/02	RST-02980	L-Duplicate	459	Air	<7.0	<0.006	0	0	<8.00	<0.0067	100
01/08/02	RST-02981	M1	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02982	M1-Duplicate	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02983	N	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02984	J	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02985	Q	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02986	F	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02987	A	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02988	C	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02989	B	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02990	H	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02991	I	476	Air	<7.0	<0.006	0	0	<8.00	<0.0065	100
01/08/02	RST-02992	D	720	Air	<7.0	<0.004	0	0	<8.00	<0.0043	100
01/08/02	RST-02993	K	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02994	T	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02995	U	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02996	V	681	Air	<7.0	<0.004	0	0	<8.00	<0.0045	100
01/08/02	RST-02997	S	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02998	P	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-02999	E	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/08/02	RST-03000	W	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	100
01/09/02	FB010902	Field Blank	0	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)	100
01/09/02	TB010902	Trip Blank	0	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)	100

Sampling Locations:

A: NE corner of West Broadway & Barclay
B: SE corner of Church & Dey St.
C: Trinity (a.k.a. Church) & Liberty
C1: SW corner of Broadway & Liberty St.
D: East end of Albany St. at Greenwich St.
E: Western end of Liberty St. at South End Ave
F: Northern median strip of Vesey & West St
G: Church and Duane St.
H: South side of Chase Manhattan Plaza at Pine St.
I: SE corner of Wall St. & Broadway
J: NE corner of Warren & West St.
K: West St. & Albany in median strip
L: On walkway toward North Park rec area (north side of Suyvesant High), access to TAGA bus area
M: Western end of Harrison St. at West St. (on tree next to bulkhead)
M1 : West St. - 50 yards south of Harrison St. at bulkhead
N: South side of Pier 25 (next to volleyball ct)
P: NE corner of South End Ave. & Albany
Q: Barclay & West St. (center island) in proximity to USCG command post
R: TAGA Bus Location
S: Rector & South End
T: Pier 6 Heliport
U: Pier 6 Exit 2
V: Pier 6 Bus Sign
W: Wash Tent Common Area

Key:

* Sample volume (liters) is below recommended limit for the TEM method; volume is based on pump reading
** Structure (S) is roughly equivalent to fiber (f)
*** Chrysotile

NA(1) - Not analyzed due to overloading of particulates
NA(2) - Not analyzed for TEM
n/a - Not applicable
NR - Not requested
NS - Sample not submitted

NIOSH 7400: Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94
Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA)
Standard criteria: EPA 40CFR Part 763 (AHERA): 0.01 fiber/cc (PCM), 70 S/mm², volume 1200 L, for 25 mm filter (TEM)

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CITY_21MC100_011205924

NYC-WTC_000436746

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NYC-WTC_000436747

S/mm²	S-f/cc**		AREA	Sample No.
32.00	0.0334	4	0.125	RST-02979
8.00	0.0067	1	0.125	RST-02980
8.89	0.0048	1	0.1125	RST-02981
8.89	0.0048	1	0.1125	RST-02982
8.89	0.0048	1	0.1125	RST-02983
8.89	0.0048	1	0.1125	RST-02984
8.89	0.0048	1	0.1125	RST-02985
8.89	0.0048	1	0.1125	RST-02986
8.89	0.0048	1	0.1125	RST-02987
8.89	0.0048	1	0.1125	RST-02988
8.89	0.0048	1	0.1125	RST-02989
8.89	0.0048	1	0.1125	RST-02990
8.00	0.0065	1	0.125	RST-02991
8.00	0.0043	1	0.125	RST-02992
8.89	0.0048	1	0.1125	RST-02993
8.89	0.0048	1	0.1125	RST-02994
8.89	0.0048	1	0.1125	RST-02995
8.00	0.0045	1	0.125	RST-02996
8.89	0.0048	1	0.1125	RST-02997
8.89	0.0048	1	0.1125	RST-02998
8.89	0.0048	1	0.1125	RST-02999
8.89	0.0048	1	0.1125	RST-03000

CITY_21MC100_011205925