NYC 9/11 Public Portal Document

NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 01/21/02 1200 to 2359

Data Validation Date: 01/24/02

					PCM by NIOSH 7400		TEM (AHERA)				PCM fibers	PCM # fields
Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	f/mm²	f/cc	Structures (#) 0.5µ - 5µ	Structures (#) 5µ	S/mm²	S~f/cc**		
01/21/02	RST-03529	L	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03530	M1	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03531	N	706	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03532	J	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	-	Q	NS	Air	NS	NS	NS	NS	NS	NS		100
01/21/02	RST-03533	F	720	Air	8.28	0.004	0	0	<8.89	<0.0048	6.5	100
01/21/02	RST-03534	A	720	Air	9.55	0.005	0	0	<8.89	<0.0048	7.5	100
01/21/02	RST-03535	C	720	Air	14.01	0.007	0	0	<8.89	<0.0048	11	100
01/21/02	RST-03536	B	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03537	H	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03538	H-Duplicate	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03539	I	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03540	D	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03541	K	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03542	S	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03543	P	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03544	P-Duplicate	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03545	E	573	Air	<7.0	<0.005	0	0	<8.00	<0.0054		100
01/21/02	RST-03546	T	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03547	U	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03548	V	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/21/02	RST-03549	W	720	Air	10.19	0.005	2***	0	17.78	0.0095	8	100
01/21/02	FB012102	Field Blank	0	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)		100
01/21/02	TB012102	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)

L□

CITY_21MC100_011202792

NYC-WTC_000436788

NYC 9/11 Public Portal Document

S/mm²	S~f/cc**		AREA	Sample No.
8.89	0.0048	1	0.1125	RST-03529
8.89	0.0048	1	0.1125	RST-03530
8.89	0.0048	1	0.1125	RST-03531
8.89	0.0048	1	0.1125	RST-03532
8.89		1	0.1125	-
8.89	0.0048	1	0.1125	RST-03533
8.89	0.0048	1	0.1125	RST-03534
8.89	0.0048	1	0.1125	RST-03535
8.89	0.0048	1	0.1125	RST-03536
8.89	0.0048	1	0.1125	RST-03537
8.89	0.0048	1	0.1125	RST-03538
8.89	0.0048	1	0.1125	RST-03539
8.89	0.0048	1	0.1125	RST-03540
8.89	0.0048	1	0.1125	RST-03541
8.89	0.0048	1	0.1125	RST-03542
8.89	0.0048	1	0.1125	RST-03543
8.89	0.0048	1	0.1125	RST-03544
8.00	0.0054	1	0.125	RST-03545
8.89	0.0048	1	0.1125	RST-03546
8.89	0.0048	1	0.1125	RST-03547
8.89	0.0048	1	0.1125	RST-03548
17.78	0.0095	2	0.1125	RST-03549

L□

NYC-WTC_000436789

CITY_21MC100_011202793