NYC 9/11 Public Portal Document

NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 01/22/02 0001 to 1200

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**		
01/22/02	RST-03550	L	613	Air	<7.0	<0.004	0	0	<8.00	<0.0050		100
01/22/02	RST-03551	M1	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03552	N	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03553	J	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03554	Q	638	Air	<7.0	<0.004	0	0	<8.00	<0.0048		100
01/22/02	RST-03555	F	720	Air	7.64	0.004	2***	0	17.78	0.0095	6	100
01/22/02	RST-03556	A	719	Air	12.74	0.007	1***	0	8.89	0.0048	10	100
01/22/02	-	C	NS	Air	NS	NS	NS	NS	NS	NS		100
01/22/02	RST-03557	B	686	Air	<7.0	<0.004	0	0	<8.00	<0.0045		100
01/22/02	RST-03558	H	680	Air	<7.0	<0.004	0	0	<8.00	<0.0045		100
01/22/02	RST-03559	I	644	Air	<7.0	<0.004	0	0	<8.00	<0.0048		100
01/22/02	RST-03560	I-Duplicate	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03561	D	720	Air	8.92	0.005	0	0	<8.89	<0.0048	7	100
01/22/02	RST-03562	K	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03563	S	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03564	P	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03565	E	702	Air	<7.0	<0.004	0	0	<8.89	<0.0049		100
01/22/02	-	E-Duplicate	NS	Air	NS	NS	NS	NS	NS	NS		100
01/22/02	RST-03566	T	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03567	U	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03568	V	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/22/02	RST-03569	W	720	Air	<7.0	<0.004	2***	0	17.78	0.0095		100
01/22/02	FB012202	Field Blank	0	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)		100
01/22/02	TB012202	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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S/mm²	S~f/cc**		AREA	Sample No.
8.00	0.0050	1	0.125	RST-03550
8.89	0.0048	1	0.1125	RST-03551
8.89	0.0048	1	0.1125	RST-03552
8.89	0.0048	1	0.1125	RST-03553
8.00	0.0048	1	0.125	RST-03554
17.78	0.0095	2	0.1125	RST-03555
8.89	0.0048	1	0.1125	RST-03556
8.89		1	0.1125	-
8.00	0.0045	1	0.125	RST-03557
8.00	0.0045	1	0.125	RST-03558
8.00	0.0048	1	0.125	RST-03559
8.89	0.0048	1	0.1125	RST-03560
8.89	0.0048	1	0.1125	RST-03561
8.89	0.0048	1	0.1125	RST-03562
8.89	0.0048	1	0.1125	RST-03563
8.89	0.0048	1	0.1125	RST-03564
8.89	0.0049	1	0.1125	RST-03565
8.89		1	0.1125	-
8.89	0.0048	1	0.1125	RST-03566
8.89	0.0048	1	0.1125	RST-03567
8.89	0.0048	1	0.1125	RST-03568
17.78	0.0095	2	0.1125	RST-03569

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