NYC 9/11 Public Portal Document

NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 01/23/02 0001 to 1200

Data Validation Date: 01/25/2002

					PCM by NIOSH 7400		TEM (AHERA)				
							Structures (#)				PCM fibers
Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	f/mm²	f/cc	0.5µ - 5µ	5µ	S/mm²	S-f/cc**	
01/23/02	RST-03592	L	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03593	M-1	720	Air	<7.0	<0.004	1***	0	8.89	0.0048	
01/23/02	RST-03594	N	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03595	J	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03596	Q	646	Air	<7.0	<0.004	1***	0	8.00	0.0048	
01/23/02	RST-03597	F	718	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03598	A	454	Air	<7.0	<0.006	0	0	<8.00	<0.0068	
01/23/02	RST-03599	C	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03600	B	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03601	H	392	Air	<7.0	<0.007	0	0	<8.00	<0.0079	
01/23/02	RST-03602	I	666	Air	<7.0	<0.004	0	0	<8.00	<0.0046	
01/23/02	RST-03603	D	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03604	K	299	Air	<7.0	<0.009	0	0	<8.00	<0.0103	
01/23/02	RST-03605	S	675	Air	<7.0	<0.004	0	0	<8.00	<0.0046	
01/23/02	RST-03606	P	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03607	E	720	Air	<7.0	<0.004	2***	1***	26.67	0.0143	
01/23/02	RST-03608	T	720	Air	<7.0	<0.004	2***	0	16.00	0.0086	
01/23/02	RST-03609	U	720	Air	7.01	0.004	0	0	<8.89	<0.0048	5.5
01/23/02	RST-03610	U-Duplicate	662	Air	<7.0	<0.004	0	0	<8.00	<0.0047	
01/23/02	RST-03611	V	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	RST-03612	V-Duplicate	694	Air	<7.0	<0.004	0	0	<8.00	<0.0044	
01/23/02	RST-03613	W	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048	
01/23/02	FB012302	Field Blank	0	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)	
01/23/02	TB012302	Trip Blank	0	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)	

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
**** Extremely low sample volume collected

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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