NYC 9/11 Public Portal Document

NYC Response

Asbestos Air Sampling Results at Fixed Locations

Sampling Date and Time: 01/03/02 0001 to 1200 [a]

Data Validation Date: 01/07/2002

					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**		
01/03/02	RST-02753	L	664	Air	<7.0	<0.004	0	0	<8.00	<0.0046		100
01/03/02	RST-02754	M1	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02755	N	613	Air	<7.0	<0.004	0	0	<8.89	<0.0056		100
01/03/02	RST-02756	J	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02757	Q	701	Air	9.55	0.005	0	0	<8.89	<0.0049	7.5	100
01/03/02	RST-02758	F	700	Air	<7.0	<0.004	0	0	<8.89	<0.0049		100
01/03/02	RST-02759	A	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02760	B	688	Air	<7.0	<0.004	0	0	<8.00	<0.0045		100
01/03/02	RST-02761	C	720	Air	7.64	0.004	0	0	<8.89	<0.0048	6	100
01/03/02	RST-02762	H	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02763	I	689	Air	<7.0	<0.004	0	0	<8.00	<0.0045		100
01/03/02	RST-02764	I-Duplicate	650	Air	<7.0	<0.004	0	0	<8.00	<0.0047		100
01/03/02	-	D	NS	NS	NS	NS	NS	NS	NS	NS		
01/03/02	RST-02765	K	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02766	T	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02767	U	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02768	V	708	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02769	S	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02770	P	678	Air	<7.0	<0.004	0	0	<8.00	<0.0045		100
01/03/02	RST-02771	E	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
01/03/02	RST-02772	E-Duplicate	660	Air	<7.0	<0.004	0	0	<8.00	<0.0047		100
01/03/02	RST-02773	W	720	Air	7.64	0.004	0	0	<8.89	<0.0048	6	100
12/28/01	[a]RST-02774	T	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048		100
12/29/01	[a]RST-02775	T	642	Air	<7.0	<0.004	0	0	<8.00	<0.0048		100
01/03/02	FB010302	Field Blank	0	Air	<7.0	n/a	NA[2]	NA[2]	NA[2]	NA[2]		100
01/03/02	TB010302	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
**** 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
[a] - Sample RST-02774 was collected 12/28/2001; Sample RST-02775 was collected 12/29/2001,

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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due to access limitations and are not included
on air sampling work sheets.

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