NYC 9/11 Public Portal Document

NYC Response

Asbestos Air Sampling Results at Fixed Locations

Sampling Date and Time: 16.00 (9/21/01) to 04.00 (9/22/01)

					PCM by NIOSH 7400		TEM by NIOSH 7402		TEM (AHERA)				Normalized (x1.67) TEM(AHERA) s/mm
Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	f/mm²	f/cc	AF/NAF	Adjusted TEM f/cc	Structures (#) <5μ	Structures (#) >5μ	S/mm²	S-f/cc	
9/22/2001	17231	A	720	Air	17.2	0.009	1/6	<0.004	0	0	0	0	
9/22/2001	17232	B	720	Air	8.28	0.004	0/8	<0.004	0	0	0	0	
9/22/2001	17233	C	720	Air	<7.0	<0.004	0/2	<0.004	3	0	26.87	0.0143	44.87
9/22/2001	17236	D	720	Air	12.1	0.006	1/6	<0.004	0	0	<8.89	<0.0048	14.85
9/22/2001	17238	E	428	Air	15.29	0.014	0/5	<0.006	1	0	8.89	0.0081	24.80
9/22/2001	17239	F	720	Air	8.92	0.005	0/6	<0.004	0	0	<8.89	<0.0048	14.85
9/22/2001	17240	F DUP	720	Air	<7.0	<0.004	0/4	<0.004	0	1	8.89	0.0048	14.85
9/22/2001	NS	G											
9/22/2001	17234	H	720	Air	<7.0	<0.004	0/2	<0.004	0	0	<8.89	<0.0048	14.85
9/22/2001	17235	I	720	Air	<7.0	<0.004	0/7	<0.004	1	1	17.78	0.0095	29.69
9/22/2001	17230	J	720	Air	<7.0	<0.004	0/1	<0.004	0	0	<8.89	<0.0048	14.85
9/22/2001	17237	K	720	Air	<7.0	<0.004	0/3	<0.004	2	0	17.78	0.0095	29.69
9/22/2001	NS	L											
9/22/2001	NS	N											
9/22/2001	NS	M											
9/22/2001	17242	O	720	Air	<7.0	<0.004	0/0	<0.004	0	0	<8.89	<0.0048	14.85
9/22/2001	17241	P	720	Air	<7.0	<0.004	0/2	<0.004	0	0	<8.89	<0.0048	14.85

Sampling Locations:
A: Intersection of Barclay+West Broadway
B: Intersection of Church+Dey St.
C: Intersection of Liberty+Trinity
D: Intersection of Greenwich+Albany
E: Intersection of Liberty+South End Ave
F: Intersection of Vesey+West St. F DUP
G: Intersection of Church and Duane
H: One Chase Plaza
I: Wall Street+Broadway
J: Corner of West and Warren
K: Corner of Albany and West
N: West Side Highway/ near community college
M: Intersection of Liberty + Broad
O: Pier 25
P: Intersection of Harrison + West

NS: Not sampled
AF/ANF: Asbestos fibers/Non asbestos fibers
Sample volume is below recommended limit of the method:
*Structure (S) Roughly equivalent to Fiber (F)
NA: not analyzed due to overloading of particulates
NR: Analysis not requested

ERT: 09/23/01 9.50 AM

NIOSH 7400: Fiber Analysis of Air samples Via NIOSH 7400, Revision 3, Issue 2, 8/15/94

NIOSH 7402: Asbestos Analysis of air samples by Transmission Electron Microscopy

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA)

Standard criteria: EPA 40CFR Part 763 (AHERA): 0.01fiber/cc (PCM), 70S/mm2, volume 1200L, for 25MM filter (TEM)

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