

NYC Response

Asbestos Air Sampling Results at Fixed Locations

Sampling Date and Time:

3/8/2002 1200 to 2400

Data Validation Date: 03/12/02

					PCM by NIOSH 7400		TEM (AHERA)				PCM fibers		PCM # fields	
Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	f/mm²	f/cc	Structures (#)		S/mm²	S-f/cc**				
							0.5µ - 5µ	5µ						
03/08/02	TTW-01283	E	1476	Air	<7.0	<0.002	0	0	<16.00	<0.0042				100
03/08/02	TTW-01284	S	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01285	U	1476	Air	<7.0	<0.002	0	0	<16.00	<0.0042				100
03/08/02	TTW-01286	V	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01287	K	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01288	D	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01289	C	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01290	B	1476	Air	<7.0	<0.002	0	0	<16.00	<0.0042				100
03/08/02	TTW-01291	A	1440	Air	7.64	0.002	0	0	<16.00	<0.0043	6			100
03/08/02	TTW-01292	F	1356	Air	<7.0	<0.002	0	0	<16.00	<0.0045				100
03/08/02	TTW-01293	J	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01294	N	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043				100
03/08/02	TTW-01295	M1	1296	Air	<7.0	<0.002	0	0	<16.00	<0.0048				100
03/08/02	TTW-01296	L	1256.4	Air	<7.0	<0.002	0	0	<16.00	<0.0049				100
03/08/02	TTW-01297	W	1440	Air	7.64	0.002	0	0	<16.00	<0.0043	6			100
03/08/02	TTW-01263	W	1404	Air	<7.0	<0.002	0	0	<16.00	<0.0044				100
03/08/02	TTW-01229		1296	Air	<7.0	<0.002	0	0	<16.00	<0.0048				100
03/08/02	TTW-01230		1293.15	Air	<7.0	<0.002	0	0	<16.00	<0.0048				100
03/08/02	TTW-00917			Air	<7.0	<0.002	0	0	<13.33	<0.0043				100
03/08/02	TTW-00918			Air	<7.0	<0.002	***1	***1	17.78	0.0095				100
03/08/02	TTW-00919			Air	<7.0	<0.002	0	0	<8.00	<0.0045				100
03/08/02	TTW-00920			Air	<7.0	<0.002	0	0	<8.00	<0.0049				100
03/08/02	TTW-00921			Air	<7.0	<0.002	0	0	<8.00	<0.0057				100
03/08/02	TTW-00922			Air	<7.0	<0.002	0	0	<8.00	<0.0070				100
03/08/02	TTW-00923			Air	<7.0	<0.002	0	0	8.89	0.0048				100
03/08/02	TTW-00924			Air	<7.0	<0.002	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾				100
03/08/02	TTW-00925			Air	<7.0	<0.002	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾				100

No samples collected at locations A-Dup, Q, and Q-Dup due to pump Faults

Location V - Low Battery - Sample too low

Location V-Dup - Low Battery - Sample too low

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

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

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

***** Actinolite

NA⁽¹⁾ - Not analyzed due to overloading of
particulatesNA⁽²⁾ - Not analyzed for TEM

L□

S/mm2	S f/cc
13.330	13476998644986
	0
	0
	0
22.860	
	0
	0
213.330	15645020325203
	0
22.860	16490486725663
13.330	13563923611111
8.000	12138888888888
16.000	14753086419753
10.000	13064310729067
	0
	0
26.670	17922800925925
16.000	0.00476

Key:

- * Some Sample volumes (liters) are 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
- ***** Amosite
- NA⁽¹⁾ - Not analyzed due to overloading of particulates
- NA⁽²⁾ - Not analyzed for TEM

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

U: Pier 6 Exit 2
V: Pier 6 Bus Sign
W: Wash Tent Common Area

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_002650406

n/a - Not applicable
NR - Not requested
NS - Sample not submitted

CITY_21MC100_002650407

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