

732 321 4425 P.04/19

USEPA-RESP. & PREV. BR.

SEP-21-2001 15:47

CITY 21M0100 000947857

NYC Response

Asbestos Air Sampling Results at Fixed Locations

Sampling Time: 5.00 PM 9/19/01 to 2.00 AM 9/20/01

From 6:00 PM 9/19/01

Date	Sample No.	S.L.	Sample Volume	Matrix	PCM NIOSH 7400		TEM (AHERA)	
					f/MM ²	f/cc	<5µ (>5µ) S (#)	S/MM ² (S-f/cc)
9/20/01	01443	A	480	Air	<7.0	<0.006		<8.0 (<0.0064)
9/20/01	01445	B	480	Air	<7.0	<0.006		<8.0 (<0.0064)
9/20/01	01447	C	345	Air	9.55	0.001		<8.0 (<0.0089)
9/20/01	01449	D	480	Air	<7.0	<0.006		<8.0 (<0.0064)
9/20/01	01421	E	480	Air	7.64	0.006		<8.0 (<0.0064)
9/20/01	01423	F	480	Air	<7.0	<0.006		<8.0 (<0.0064)
9/20/01	01424	G	480	Air	21.88	0.017		<8.0 (<0.0084)
9/20/01	01442	H	116	Air	<7.0	<0.023		<8.0 (<0.0288)
9/20/01	01441	I	480	Air	<7.0	<0.006		<8.0 (<0.0064)
9/20/01	01427	J	480	Air	<7.0	<0.006		<8.0 (<0.0064)

c0004027

NA: not analyzed due to overloading of particulates

PCM: NIOSH 7400

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA), S.L: Sampling Locations

Sample volume is below recommended limit of the method: ~~1200L~~

*Structure (S) Roughly equivalent to Fiber (F)

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

A: Barclay+West Broad

B: Church+Dey St.

C: Liberty+Broad

D: Chase Plaza

E: Albany + Greenwich

F: Albany + West

G: Liberty + Southend

H: West + Vessey

I: West + Warren

J: Harrison tree

ERT 9/21/01

732 321 4425 P.05/19

USEPA-RESP. & PREV. BR.

SEP-21-2001 15:48

CITY_21MC100_000947858

New York City Emergency Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Time: 2.00 AM 9/20/01 to 10.00 AM 9/20/01

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Date	Sample No.	S.L.	Sample		PCM NIOSH 7400		TEM (AHERA)	
			Volume	Matrix	f/MM ²	f/cc	<5μ (>5μ) S (#)	5MM ² (S-f/cc)
9/20/01	01444	A	424	Air	7.64	0.007		<8.00 (<0.0073)
9/20/01	01446	B	408	Air	<7.0	<0.007		<8.00 (<0.0075)
9/20/01	01448	C	480	Air	<7.0	<0.008		<8.00 (<0.0064)
9/20/01	01450	D	417	Air	<7.0	<0.006		<8.00 (<0.0074)
9/20/01	01422	E	215	Air	<7.0	<0.013		<8.00 (<0.0143)
9/20/01	01425	F	421	Air	10.83	0.010		<8.00 (<0.0073)
9/20/01	01426	G	401	Air	<7.0	<0.007		<8.00 (<0.0077)
9/20/01	01428	H	422	Air	<7.0	<0.006		<8.00 (<0.0073)

cc:014028

NA: not analyzed due to overloading of particulates

PCM: NIOSH 7400

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA), S.L: Sampling LocationsSample volume is below recommended limit of the method: ~~400L~~

*Structure (S) Roughly equivalent to Fiber (F)

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

A: Barclay+Broad

B: Church+Dey St.

C: Liberty+Broad

D: Broad + Wall

E: Albany + Greenwich

F: West + Vessey

G: West + Warren

H: Harrison Tree

ERT 9/21/01

NYC Response

Asbestos Air Sampling Results NYC ER/NJ DEP

Date	Sample No.	S.L.	Sample Volume	Matrix	PCM NIOSH 7400		TEM (AHERA)	
					f/MM ²	f/cc	<5μ (>5μ) S (#)	S/MM ² (S-f/cc)
9/18/2001	28604	A	720	Air	<7	<0.004		<8.89(<0.0048)
9/18/2001	28605	B	720	Air	<7	<0.004		<8.89(<0.0048)
9/18/2001	28606	C	720	Air	7.84	<0.004		<8.89(<0.0048)
9/18/2001	28607	D	720	Air	<7	<0.004		<8.89(<0.0048)

60001641

PCM: NIOSH 7400

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA), S.L: Sampling Locations

Sample volume is below recommended limit of the method: ***480 Liters

*Structure (S) Roughly equivalent to Fiber (F)

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

A: Liberty Park

B: CITGO terminal

C: FMC Terminal

D: Shell Terminal