

**NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 12/02/01 1200 to 2359**

Data Validation Date: 12/06/01

Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	PCM by NIOSH 7400		TEM (AHERA)		
					f/mm ²	f/cc	Structures (#) 0.5µ - 5µ	S/mm ²	S-f/cc**
12/02/01	RST-01404	L	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01405	M1	430	Air	<7.0	<0.006	0	<8.00	<0.0072
12/02/01	RST-01406	N	510	Air	<7.0	<0.005	0	<8.00	<0.0060
12/02/01	RST-01407	N-Dup	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01408	J	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01409	Q	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01410	Q-Dup	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01411	F	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01412	A	720	Air	7.01	0.004	0	<8.89	<0.0048
12/02/01	RST-01413	B	720	Air	16.56	0.009	0	<8.89	<0.0048
12/02/01	RST-01414	C	720	Air	28.03	0.015	0	<8.89	<0.0048
12/02/01	RST-01415	H	720	Air	8.92	0.005	0	<8.89	<0.0048
12/02/01	RST-01416	I	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01417	D	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	-	K	NS	Air	NS	NS	NS	NS	NS
12/02/01	RST-01418	T	219	Air	<7.0	<0.012	0	<8.00	<0.0141
12/02/01	RST-01419	U	636	Air	<7.0	<0.004	1***	8	0.0048
12/02/01	RST-01420	V	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01421	S	673	Air	<7.0	<0.004	0	<8.00	<0.0046
12/02/01	RST-01422	P	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/02/01	RST-01423	E	720	Air	8.92	0.005	0	<8.89	<0.0048
12/02/01	RST-01424	W	660	Air	<7.0	<0.004	0	<8.00	<0.0047
12/03/01	FB120301	Field Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
12/03/01	TB120301	Trip Blank	0	Air	<7.0	n/a	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

NA⁽¹⁾ - Not analyzed due to overloading of particulates

NA⁽²⁾ - Not analyzed for TEM

NA⁽³⁾ - Not analyzed due to wet filter

n/a - Not applicable

NR - Not requested

NS - Sample not submitted due to no sample volume

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)

FL-12-02-01-pm

NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 12/03/01 0001 to 1200

Data Validation Date: 12/06/01

Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	PCM by NIOSH 7400		TEM (AHERA)		
					f/mm ²	f/cc	Structures (#)	S/mm ²	S-f/cc**
12/03/01	RST-01425	L	713	Air	<7.0	<0.004	0.5µ - 5µ	<8.89	<0.0048
12/03/01	RST-01426	M1	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01427	N	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01428	J	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01429	J-Dup	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01430	F	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01431	F-Dup	550	Air	7.64	0.005	1***	8	0.0056
12/03/01	RST-01432	Q	720	Air	8.28	0.004	0	<8.89	<0.0048
12/03/01	RST-01433	A	372	Air	<7.0	<0.007	0	<8.00	<0.0083
12/03/01	RST-01434	B	720	Air	12.74	0.007	0	NA ⁽¹⁾	NA ⁽¹⁾
12/03/01	RST-01435	C	720	Air	7.01	0.004	0	NA ⁽¹⁾	NA ⁽¹⁾
12/03/01	RST-01436	H	710	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01437	I	720	Air	8.28	0.004	0	<8.89	<0.0048
12/03/01	RST-01438	D	717	Air	11.46	0.006	0	<8.89	<0.0048
12/03/01	RST-01439	K	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01440	T	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01441	U	720	Air	7.64	0.004	0	<8.89	<0.0048
12/03/01	RST-01442	V	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01443	S	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01444	P	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	RST-01445	E	658	Air	<7.0	<0.004	0	<8.00	<0.0047
12/03/01	RST-01446	W	707	Air	<7.0	<0.004	0	<8.89	<0.0048
12/03/01	FB120301	Field Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
12/03/01	TB120301	Trip Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾

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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

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FL-12-03-01-am

**NYC Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 12/03/01 1200 to 2359**

Data Validation Date: 12/06/01

Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	PCM by NIOSH 7400			TEM (AHERA)		
					f/mm ²	f/cc		Structures (#)	S/mm ²	S-f/cc**
12/03/01	RST-01447	L	720	Air	<7.0	<0.004	0	0.5µ - 5µ	<8.89	<0.0048
12/03/01	RST-01448	M1	720	Air	<7.0	<0.004	0	5µ	<8.89	<0.0048
12/03/01	RST-01449	N	1164.5	Air	<7.0	<0.002	0	0	<13.33	<0.0044
12/03/01	RST-01450	J	597	Air	<7.0	<0.005	0	0	<8.00	<0.0052
12/03/01	RST-01451	Q	1224	Air	<7.0	<0.002	0	0	<13.33	<0.0042
12/03/01	RST-01452	F	501	Air	<7.0	<0.005	0	0	<8.00	<0.0061
12/03/01	RST-01453	A	720	Air	8.92	0.005	0	0	<8.89	<0.0048
12/03/01	RST-01454	B	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01455	C	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01456	C-Dup	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01457	H	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01458	H-Dup	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01459	I	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01460	D	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01461	K	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01462	T	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01463	U	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01464	V	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01465	S	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01466	P	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01467	E	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	RST-01468	W	609	Air	8.28	0.005	0	0	<8.00	<0.0051
12/04/01	FB120401	Field Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
12/04/01	TB120401	Trip Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾

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

NYC Response
 Asbestos Air Sampling Results at Fixed Locations
 Sampling Date and Time: 12/04/01 0001 to 1200

Data Validation Date: 12/06/01

Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	PCM by NIOSH 7400		TEM (AHERA)		
					f/mm ²	f/cc	Structures (#) 0.5µ - 5µ	S/mm ²	S~f/cc**
12/04/01	RST-01469	L	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01470	M1	308	Air	<7.0	<0.009	0	<8.00	<0.0100
12/04/01	RST-01471	N	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01472	J	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01473	Q	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01474	F	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01475	A	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01476	B	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01477	C	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01478	H	700	Air	<7.0	<0.004	0	<8.89	<0.0049
12/04/01	RST-01479	I	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01480	I-Dup	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01481	D	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01482	D-Dup	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01483	K	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01484	T	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01485	U	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01486	V	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01487	S	712	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01488	P	720	Air	<7.0	<0.004	0	<8.89	<0.0048
12/04/01	RST-01489	E	520.2	Air	<7.0	<0.005	1***	8.00	0.0059
12/04/01	RST-01490	W	720	Air	<7.0	<0.004	1***	8.89	0.0048
12/04/01	FB120401	Field Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
12/04/01	TB120401	Trip Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾

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 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)

**NYC Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Times: 12/04/01 0804 to 2114**

Data Validation Date: 12/06/2001

Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)	0.5µ - 5µ	S/mm ²	S-f/cc**
12/04/01	LF01357	P-1	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01358	P-2	660	Air	<7.0	<0.004	1***	0	8.75	0.0051
12/04/01	LF01359	P-3	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01360	P-4	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01361	P-5	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01362	P-6	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01363	P-7	551	Air	<7.0	<0.005	0	0	<8.75	<0.0061
12/04/01	LF01364	P-8	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01365	W-11	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01366	W-12A	720	Air	15.29	0.008	2***	0	17.5	0.0094
12/04/01	LF01367	W-12B	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01368	B-13	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01369	B-14	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01370	T-15	720	Air	26.75	0.014	0	0	<7.87	<0.0042
12/04/01	LF01371	T-16	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01372	O-17	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01373	O-18	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01374	O-19	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01375	MPHS-20	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/04/01	LF01376	Trip Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
12/04/01	LF01377	Lot Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾

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**NYC Emergency Response
Asbestos Air Sampling Results NYC ER/NJDEP
Sampling Date and Time: 12/03/2001 1140 to 2317
Data Validation Date: 12/06/2001**

Date Sampled	Sample No.	Sampling Location	Sample Volume (L)	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	0.5µ - 5µ	5µ	S/mm ²	S-f/cc*
12/03/01	1LIB120301	Liberty Park	1150**	Air	<7.0	<0.002	0	0	<13.33	<0.0045
12/03/01	2CIT120301	CITGO Terminal	720**	Air	<7.0	<0.004	0	0	<8.89	<0.0048
12/03/01	3FMC120301	FMC Terminal	1144**	Air	<7.0	<0.002	0	0	<13.33	<0.0045
12/03/01	4SHL120301	Shell Terminal	1040**	Air	<7.0	<0.003	0	0	<13.33	<0.0049
12/03/01	5FLD120301	Field Blank	0	Air	<7.0	n/a	NA	NA	NA	NA
12/03/01	-	Trip Blank	NS	Air	NS	NS	NS	NS	NS	NS

Key:

*Structure (S) roughly equivalent to fiber (f)

** Sample volume (liter) is below recommended limit for the TEM method; volume is based on pump reading

*** Chrysotile

n/a - Not applicable

NA - Not analyzed for TEM

NS - Sample not submitted

PCM: Phase Contrast Microscopy by NIOSH 7400

TEM: Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA). Sample volume is below recommended limit of the method.

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

Sampling Location	Sampling Times
Liberty Park	12/03/01 1140- 2115
CITGO Terminal	12/03/01 1300 - 1900
FMC Terminal	12/03/01 1345 - 2317
Shell Terminal	12/03/01 1407 - 2247

Daily DataRam Particulate Monitoring Summary Sheet
Staten Island Landfill
December 5, 2001

Location	Longitude	Latitude	DataRam ID	Tag #	Logged Points	Elapsed Time	Avg. Time (sec)	Logging Periods	Calibration Factor	STEL ug/m3	Min. Conc. ug/m3	Avg. Conc. ug/m3	Max. Conc. ug/m3
1	-74.199795	40.565139	2226	1	47	11:45:00	10	00:15:00	100	0.0	11.9	44.7	418.0
2	-74.198262	40.566883	2295	1	48	12:00:00	10	00:15:00	100	0.0	6.7	37.5	1169.1
3	-74.198685	40.570054	2011	1	0	00:00:00	10	00:15:00	100	0.0	0.0	0.0	0.0
4	-74.201380	40.569790	0	1	0	00:00:00	10	00:15:00	0	0.0	0.0	0.0	0.0
5	-74.205873	40.568892	0	1	0	00:00:00	10	00:15:00	0	0.0	0.0	0.0	0.0
6	-74.207406	40.563818	0	1	0	00:00:00	10	00:15:00	0	0.0	0.0	0.0	0.0
7	-74.205414	40.560434	2294	1	49	12:15:00	10	00:15:00	100	0.0	0.0	23.7	230.6
8	-74.203019	40.561915	0	1	0	00:00:00	10	00:15:00	0	0.0	0.0	0.0	0.0

**NO QC EVALUATION HAS BEEN PERFORMED,
DATA VALIDITY IS UNSUBSTANTIATED
AND THE DATA SHOULD BE USED WITH DISCRETION
WTC TEDLAR BAG AIR ANALYSIS, TO-15 MODIFIED METHOD
DRAFT GC/MS Results for 12/06/01**

File Name	NYC370	NYC371	NYC372	NYC373	NYC376	NYC375
Sample Location	Instrument Blank	Tedlar Bag Blank	Washing Tent Ambient Air	Austin Tobin Plaza	North Tower Plume	South Tower Plume
Sample Number			A07187	A07189	A07188	A07190
Sample Height			Breathing Level	Breathing Level	Ground Level	Ground Level
Sample Volume		250 mL	250 mL	250 mL	10 mL	200 mL
Reporting Limit (RL)	20	20	20	20	500	25
Sample Conc. Units	ppb _v	ppb _v	ppb _v	ppb _v	ppb _v	ppb _v
Propylene	RL	RL	RL	RL	6600	280
Freon 22	RL	RL	RL	RL	RL	58
Dichlorodifluoromethane	RL	RL	RL	RL	RL	70
Dichlorotetrafluoroethane	RL	RL	RL	RL	RL	RL
Chloromethane	RL	RL	RL	RL	6000	380
Vinyl Chloride	RL	RL	RL	RL	RL	RL
1,3-Butadiene	RL	RL	RL	RL	RL	RL
Bromomethane	RL	RL	RL	RL	RL	RL
Chloroethane	RL	RL	RL	RL	RL	RL
Trichlorofluoromethane	RL	RL	RL	RL	RL	130
Isopropyl Alcohol	RL	RL	RL	RL	RL	220
Acetone	RL	RL	RL	32	11000	4500
Trichlorotrifluoroethane	RL	RL	RL	RL	RL	RL
1,1-Dichloroethene	RL	RL	RL	RL	RL	51
3-Chloropropene	RL	RL	RL	RL	RL	RL
Methylene Chloride	RL	RL	RL	RL	RL	84
MTBE	RL	RL	RL	RL	RL	280
trans-1,2-Dichloroethene	RL	RL	RL	RL	RL	RL
Hexane	RL	RL	RL	RL	510	51
1,1-Dichloroethane	RL	RL	RL	RL	RL	RL
Vinyl Acetate	RL	RL	RL	RL	RL	RL
2-Butanone	RL	RL	RL	RL	3000	440
cis-1,2-Dichloroethene	RL	RL	RL	RL	RL	RL
Ethyl Acetate	RL	RL	RL	RL	RL	RL
Chloroform	RL	RL	RL	RL	RL	RL
Tetrahydrofuran	RL	RL	RL	RL	1300	100
1,1,1-Trichloroethane	RL	RL	RL	RL	RL	100
Cyclohexane	RL	RL	RL	RL	RL	RL
Carbon Tetrachloride	RL	RL	RL	RL	RL	RL
1,2-Dichloroethane	RL	RL	RL	RL	RL	RL
Benzene	RL	RL	RL	RL	9800	520
Heptane	RL	RL	RL	RL	RL	57
Trichloroethene	RL	RL	RL	RL	RL	RL
1,2-Dichloropropane	RL	RL	RL	RL	RL	RL
1,4-Dioxane	RL	RL	RL	34	RL	49
Methyl Isobutyl Ketone	RL	RL	RL	RL	RL	120
cis-1,3-Dichloropropene	RL	RL	RL	RL	RL	RL
Toluene	RL	RL	RL	RL	5700	200
trans-1,3-Dichloropropene	RL	RL	RL	RL	RL	RL
1,1,2-Trichloroethane	RL	RL	RL	RL	RL	RL
2-Hexanone	RL	RL	RL	RL	RL	RL
Tetrachloroethene	RL	RL	RL	RL	RL	RL
Dibromochloromethane	RL	RL	RL	RL	RL	RL
1,2-Dibromoethane	RL	RL	RL	RL	RL	RL
Chlorobenzene	RL	RL	RL	RL	RL	RL
Ethylbenzene	RL	RL	RL	RL	6800	65
m&p-Xylenes	RL	RL	RL	RL	580	94
o-Xylene	RL	RL	RL	RL	RL	36
Styrene	RL	RL	RL	RL	1500	82
Bromoform	RL	RL	RL	RL	RL	RL
1,1,2,2-Tetrachloroethane	RL	RL	RL	RL	RL	RL
4-Ethyltoluene	RL	RL	RL	RL	RL	RL
1,3,5-Trimethylbenzene	RL	RL	RL	RL	RL	RL
1,2,4-Trimethylbenzene	RL	RL	RL	RL	RL	RL
1,3-Dichlorobenzene	RL	RL	RL	RL	RL	RL
1,4-Dichlorobenzene	RL	RL	RL	RL	RL	RL
Benzyl Chloride	RL	RL	RL	RL	RL	RL
1,2-Dichlorobenzene	RL	RL	RL	RL	RL	RL
1,2,4-Trichlorobenzene	RL	RL	RL	RL	RL	RL
Hexachloro-1,3-Butadiene	RL	RL	RL	RL	RL	RL

United States Environmental Protection Agency
Removal Support Team
DataRAM Monitoring Work Sheet

Roy F. Weston, Inc.
EPA Contract No. 68-W-00-113

Site: World Trade Center

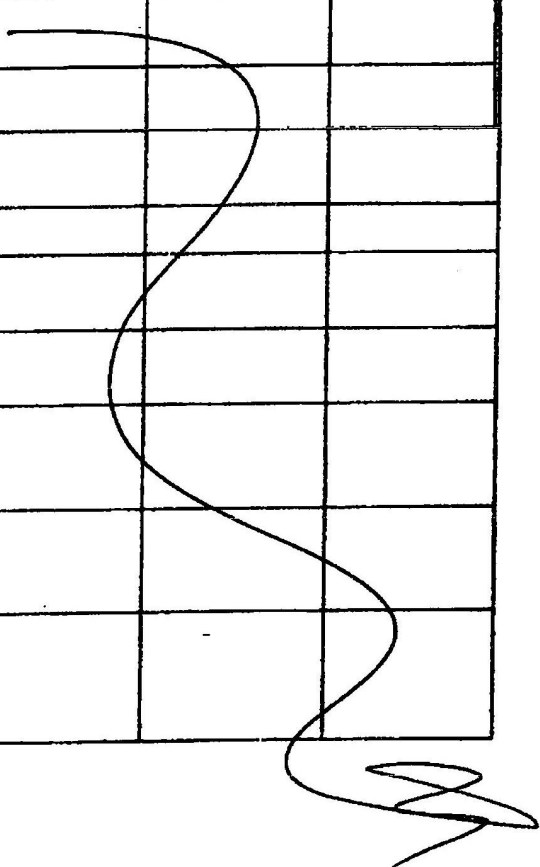
Sampler: BRENNAN

U.S. EPA: Norrell

Date: 12/6/01

RST Site Project Manager Brennan

Location	R	L	N			
DataRAM ID No.	2648	2643	2641			
Flow Rate (Liters / Minute)	2 L/M	2 L/M	2 L/M			
Start Time	7:53	7:54	8:14			
Stop Time	1428	1429	1433			
Run Time (Minutes)	395	395	379			
Minimum Concentration (ug/m3)	0.1	5.9	10			
Maximum Concentration (ug/m3)	104.7	134.8	205.3			
Average Concentration (TWA) (ug/m3)	31.1	39.9	32.6			



**United States Environmental Protection Agency
Removal Support Team
Air Monitoring Work Sheet**



Roy F. Weston, Inc.
EPA Contract No. 68-W-00-113

DATE: 12/6/01 Early

RST: Kathleen Bigelow

Location	Time	FID (units)	PID (units)	LEL (%)	O ₂ (%)	CO (ppm)	H ₂ S (ppm)	SO ₂ (ppm)	Cl ₂ (ppm)	HCN (ppm)	HCl (ppm)	HF (ppm)	COCl ₂ (ppb)
L	07:54	*	0.2	ND	20.9	1	ND	ND	ND	ND	21.0	ND	20.05
M1	0803	(	ND	ND	20.9	ND	ND	ND	ND	ND	21.0	ND	20.05
N	0813		0.1	ND	20.8	1	ND	ND	ND	ND	21.0	ND	20.05
J	0821		0.1	1	20.9	1	ND	ND	ND	ND	21.0	ND	20.05
Q	0827		0.2	ND	20.9	2	ND	ND	ND	ND	21.0	**	20.05
F	0832		0.1	ND	20.9	ND	ND	ND	ND	ND	21.0		20.05
A	0844		0.1	ND	20.9	1	ND	ND	ND	ND	21.0		20.05
B	0850		0.5	ND	20.9	2	ND	ND	ND	ND	21.0		20.05
C	0857		0.2	ND	20.8	1	ND	ND	ND	ND	21.0		20.05
H	0911		0.2	ND	20.8	1	ND	ND	ND	ND	21.0		20.05
I	0921		0.3	ND	20.9	4	ND	ND	ND	ND	21.0		20.05
D	0936		0.2	ND	20.9	4	ND	ND	ND	ND	21.0		20.05
K	0943		0.1	ND	20.9	2	ND	ND	ND	ND	21.0		20.05
T	0958		0.1	ND	20.9	1	ND	ND	ND	ND	21.0		20.05
U	0959		0.2	ND	20.9	2	ND	ND	ND	ND	21.0		20.05
V	1005		0.2	ND	20.9	1	ND	ND	ND	ND	21.0		20.05
S	1016		0.1	ND	20.9	1	ND	ND	ND	ND	21.0		20.05
P	1027		0.1	ND	20.9	1	ND	ND	ND	ND	21.0		20.05
E	1037		0.2	ND	20.9	1	ND	ND	ND	ND	21.0		20.05

* Processor Damaged

** Fault 30

KE

Location A: Berklay and West Broadway
Location B: Church and Dey
Location C: Liberty and Church
Location D: Albany and Greenwich
Location E: Liberty and South End
Location F: West and Vesey
Location G: No location
Location H: Chase Plaza
Location I: Wall Street and Broadway

Location J: West and Warren
Location K: Albany and West
Location L: Stuyvesant High School
Location M1: West and Warren
Location N: Pier 25 Volleyball
Location O: No location
Location P: Albany and South End
Location Q: West and Murray
Location R: No asbestos sampling

Location S: Rector and South End
Location T: Pier 6 Heliport
Location U: Pier 6 Exit 2
Location V: Pier 6 Bus Sign
Location W: No location
Location X: No location
Location Y: No location
Location Z: No location

**United States Environmental Protection Agency
Removal Support Team
Air Monitoring Work Sheet**



Roy F. Weston, Inc.
EPA Contract No. 68-W-00-113

DATE: 12/6/01 LATE

RST: Kathleen Bigelow

Location	Time	FID (units)	PID (units)	LEL (%)	O ₂ (%)	CO (ppm)	H ₂ S (ppm)	SO ₂ (ppm)	Cl ₂ (ppm)	HCN (ppm)	HCl (ppm)	HF (ppm)	COCl ₂ (ppb)
L	12:09	*	ND	1	20.9	2	ND	ND	ND	ND	41.0	* *	40.05
M1	12:13	/	0.1	1	20.9	1	ND	ND	ND	ND	41.0	/	40.05
N	12:19		ND	1	21.0	4	ND	ND	ND	ND	41.0		40.05
J	12:23		ND	1	20.9	5	ND	ND	ND	ND	41.0		40.05
Q	12:31		ND	1	21.1	2	ND	ND	ND	ND	41.0		40.05
F	12:36		ND	ND	21.1	1	ND	ND	ND	ND	41.0		40.05
A	12:42		ND	ND	21.1	2	ND	ND	ND	ND	41.0		40.05
B	12:46		ND	ND	21.1	2	ND	ND	ND	ND	41.0		40.05
C	12:51		0.1	ND	21.2	2	ND	ND	ND	ND	21.0		40.05
H	13:03		ND	ND	21.2	1	ND	ND	ND	ND	41.0		40.05
I	13:08		ND	ND	21.1	1	ND	ND	ND	ND	41.0		40.05
D	13:18		0.8	ND	21.2	3	ND	ND	ND	ND	41.0		40.05
K	13:23		ND	ND	21.2	4	ND	ND	ND	ND	41.0		40.05
T	13:30		ND	ND	21.2	2	ND	ND	ND	ND	41.0		40.05
U	13:33		ND	ND	21.2	1	ND	ND	ND	ND	41.0		40.05
V	13:46		ND	1	21.3	2	ND	ND	ND	ND	41.0		40.05
S	13:55		ND	1	21.4	2	ND	ND	ND	ND	41.0		40.05
P	14:00		ND	1	21.4	2	ND	ND	ND	ND	41.0		40.05
E	14:04		ND	1	21.5	3	ND	ND	ND	ND	41.0		40.05

* Processor Damaged

** Fault 30

MS

Location A: Barkley and West Broadway
Location B: Church and Dey
Location C: Liberty and Church
Location D: Albany and Greenwich
Location E: Liberty and South End
Location F: West and Vesey
Location G: No location
Location H: Chase Plaza
Location I: Wall Street and Broadway

Location J: West and Warren
Location K: Albany and West
Location L: Stuyvesant High School
Location M1: West and Warren
Location N: Pier 25 Volleyball
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