

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Time 2/24/2002 0725 to 2058

Data Validation Date: 02/27/2002

Sampling Date	Sample No.	Sampling Location	Sample Volume ^a	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)		S/mm ²	S~f/cc**
02/24/02	LF03044	P-1	1262.80	Air	8.92	0.003	0	0	<15.75	<0.0048
02/24/02	LF03045	P-2	1382.00	Air	<7.0	<0.002	0	0	<15.75	<0.0044
02/23/02	LF03046	P-3	1056.00	Air	<7.0	<0.003	0	0	<13.12	<0.0048
02/24/02	LF03047	P-3 Duplicate	1024.10	Air	<7.0	<0.003	0	0	<13.12	<0.0049
02/24/02	LF03048	P-4	1327.95	Air	10.19	0.003	0	0	<15.75	<0.0046
02/24/02	LF03049	P-5	1218.00	Air	<7.0	<0.002	0	0	<15.75	<0.0050
02/24/02	LF03050	P-6	1218.00	Air	<7.0	<0.002	0	0	<15.75	<0.0050
02/24/02	LF03051	P-7	1260.00	Air	<7.0	<0.002	0	0	<15.75	<0.0048
02/24/02	LF03052	P-8	1154.40	Air	<7.0	<0.002	0	0	<13.12	<0.0044
02/24/02	LF03053	W-11	1104.95	Air	26.75	0.009	0	0	<15.75	<0.0055
02/24/02	LF03054	W-12A	1303.80	Air	<7.0	<0.002	0	0	<15.75	<0.0047
02/24/02	LF03055	W-12B	1098.80	Air	138.85	0.049	0	0	<13.12	<0.0046
02/24/02	LF03056	B-13	1400.15	Air	7.64	0.002	0	0	<15.75	<0.0043
02/24/02	LF03057	B-14	1320.00	Air	<7.0	<0.002	0	0	<15.75	<0.0046
02/24/02	LF03058	T-15	1296.00	Air	11.46	0.003	0	0	<15.75	<0.0047
02/24/02	LF03059	T-16	895.85	Air	8.92	0.004	0	0	<11.25	<0.0048
02/24/02	LF03060	O-17	0.00	Air	R	R	R	R	R	R
02/24/02	LF03061	O-18	732.00	Air	<7.0	<0.004	0	0	<8.75	<0.0046
02/24/02	LF03062	O-19	1204.00	Air	<7.0	<0.002	0	0	<13.12	<0.0042
02/24/02	LF03063	MPHS-20	1240.00	Air	<7.0	<0.002	0	0	<15.75	<0.0049
02/24/02	LF03064	Lot Blank	0.00	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
02/24/02	LF03065	Trip Blank	0.00	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾

Key:

* Some sample volume (liters) are below recommended limit for the TEM method; volume is based on pump reading

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

*** Chrysotile

**** Actinolite

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

n/a - Not applicable

NR - Not requested

NS - Sample not submitted

R - Sample data rejected due to no sample volume

NC - Sample not collected

NS - Sample not submitted

R - Sample data rejected 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)

L□

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

L□

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