

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Time 2/16/2002 0705 to 2114

Data Validation Date: 02/19/2002

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 ^{**}
02/16/02	LF2867	P-1	1246.05	Air	<7.0	<0.002	0	0	<15.75	<0.0049
02/16/02	LF2868	P-2	55.10	Air	<7.0	<0.049	0	0	<7.87	<0.0050
02/16/02	LF2869	P-3	1380.60	Air	<7.0	<0.002	0	0	<15.75	<0.0044
02/16/02	LF2870	P-4	1324.00	Air	<7.0	<0.002	0	0	<15.75	<0.0046
02/16/02	LF2871	P-5	1.60	Air	<7.0	<1.683	0	0	<7.87	<1.8947
02/16/02	LF2872	P-6	1196.00	Air	<7.0	<0.002	0	0	<15.75	<0.0051
02/16/02	LF2873	P-7	1188.00	Air	<7.0	<0.002	0	0	<13.12	<0.0043
02/16/02	LF2874	P-8	1388.40	Air	<7.0	<0.002	0	0	<15.75	<0.0044
02/16/02	LF2875	W-11	1132.80	Air	104.46	0.036	***6	0	78.74	0.0268
02/16/02	LF2876	W-12A	1310.40	Air	59.87	0.018	***1	0	15.75	0.0046
02/16/02	LF2877	W-12B	1290.90	Air	44.59	0.013	0	0	<15.75	<0.0047
02/16/02	LF2878	B-13	1260.00	Air	<7.0	<0.002	0	0	<15.75	<0.0048
02/16/02	LF2879	B-14	1382.55	Air	<7.0	<0.002	0	0	<15.75	<0.0044
02/16/02	LF2880	T-15	1332.00	Air	<7.0	<0.002	0	0	<15.75	<0.0046
02/16/02	LF2881	T-16	1440.00	Air	28.03	0.007	0	0	<15.75	<0.0042
02/16/02	LF2882	O-17	1428.00	Air	<7.0	<0.002	0	0	<15.75	<0.0042
02/16/02	LF2883	O-18	1239.90	Air	<7.0	<0.002	0	0	<15.75	<0.0049
02/16/02	LF2884	O-19	1336.00	Air	<7.0	<0.002	0	0	<15.75	<0.0045
02/16/02	LF2885	MPHS-20	1390.35	Air	<7.0	<0.002	0	0	<15.75	<0.0044
02/16/02	LF2886	P-1D	1440.00	Air	<7.0	<0.002	0	0	<15.75	<0.0042
02/16/02	LF2887	Lot Blank	0.00	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
02/16/02	LF2888	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

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

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)

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