

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Times: 11/16/01 0710 to 2010

Data Validation Date: 11/17/2001

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**
11/16/01	LF00734	P-1	710	Air	8.92	0.005	0	0	<8.89	<0.0048
11/16/01	LF00735	P-2	710	Air	11.46	0.006	0	0	<8.89	<0.0048
11/16/01	LF00736	P-3	600	Air	8.28	0.005	0	0	<8.00	<0.0051
11/16/01	LF00737	P-4	605	Air	<7.0	<0.004	0	0	<8.00	<0.0051
11/16/01	LF00738	P-5	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
11/16/01	LF00739	P-6	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
11/16/01	LF00740	P-7	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
11/16/01	LF00741	P-8	636	Air	7.64	0.005	0	0	<8.00	<0.0048
11/16/01	LF00742	W-11	720	Air	22.93	0.012	0	0	<8.89	<0.0048
11/16/01	LF00743	W-12A	720	Air	12.74	0.007	0	1***	8.89	0.0048
11/16/01	LF00744	W-12B	686	Air	10.83	0.006	0	0	<8.00	<0.0046
11/16/01	LF00745	B-13	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
11/16/01	LF00746	B-14	720	Air	12.74	0.007	0	0	<8.89	<0.0048
11/16/01	LF00747	T-15	689	Air	14.01	0.008	1***	1***	16	0.0089
11/16/01	LF00748	T-16	720	Air	7.01	0.004	0	0	<8.89	<0.0048
11/16/01	LF00750-A	O-17	400	Air	<7.0	<0.007	0	1***	8	0.0077
11/16/01	LF00749	Lot Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
11/16/01	LF00750	Trip Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾

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 particulatesNA ⁽²⁾ - Not analyzed for TEM

n/a - Not applicable

NR - Not requested

NS - Sample not submitted due to no sample volume

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)

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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