

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Times: 12/12/01 0824 to 2125

Data Validation Date: 12/14/2001

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**
12/12/01	LF01525	P-1	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01526	P-2	603	Air	<7.0	<0.0045	0	0	<7.87	<0.0050
12/12/01	LF01527	P-3	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01528	P-4	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01529	P-5	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01530	P-6	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01531	P-7	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01532	P-8	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01533	W-11	720	Air	7.64	0.004	1***	0	8.75	0.0047
12/12/01	LF01534	W-12A	720	Air	22.93	0.012	2***	1***	26.25	0.0140
12/12/01	LF01535	B-14	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01536	T-15	720	Air	19.11	0.010	0	0	<8.75	<0.0047
12/12/01	LF01537	T-16	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01538	O-17	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01539	O-18	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01540	O-19	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01541	MPHS-20	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01542	W-12B	720	Air	<7.0	<0.004	0	0	<8.75	<0.0047
12/12/01	LF01543	B-13	720	Air	7.64	0.004	0	0	<8.75	<0.0047
12/12/01	LF01544	Trip Blank	0	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
12/12/01	LF01545	Lot 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 particulates

NA ⁽²⁾ - Not analyzed for TEM

n/a - Not applicable

NC - 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)

FK-12-12-01-am