































5. Count free ends of fibers emanating from large clumps and bundles up to a maximum of 10 ends (5 fibers), provided that each segment meets rules 1 and 2 above.
6. Count enough graticule fields to yield 200 ends. Count a minimum of 20 graticule fields. Stop at 100 graticule fields, regardless of count.
7. Divide total end count by 2 to yield fiber count.

#### APPENDIX D. EQUIVALENT LIMITS OF DETECTION AND QUANTITATION

Fiber density on filter*		Fiber concentration in air, f/cc	
Fibers per 100 fields	Fibers/mm <sup>2</sup>	400-L air sample	1000-L air sample
200	255	0.25	0.10
100	127	0.125	0.05
LOQ 80.0	102	0.10	0.04
50	64	0.0625	0.025
25	32	0.03	0.0125
20	25	0.025	0.010
10	12.7	0.0125	0.005
8	10.2	0.010	0.004
LOD 5.5	7	0.00675	0.0027

\*Assumes 385 mm<sup>2</sup> effective filter collection area, and field area = 0.00785 mm<sup>2</sup>, for relatively "clean" (little particulate aside from fibers) filters.