

FINAL DRAFT

Table 4: Limits of Detection (LODs) Achievable with Current Air Sampling and Analytical Methods

Exposure Scenarios	Volume of Air Sample Collected (Liters)	Corresponding LODs	
		NIOSH 7400 (PCM) fibers/cc	EPA Level II (TEM) fibers/cc
1-3. Wiring or small renovation in an attic containing wet or dry vermiculite; or removing or installing vermiculite attic insulation once in a lifetime.	63 / 400	0.0428 / 0.0067	0.0501 / 0.0079
4. Using the attic with vermiculite insulation as a storage space.	63 / 400	0.0428 / 0.0067	0.0501 / 0.0079
5-7. Living in a home where dry or wet vermiculite attic insulation disturbance (i.e., wiring) occurs once, or vermiculite attic insulation is installed/removed once in a lifetime	400 / 2000	0.0067 / 0.0013	0.0079 / 0.0016
8. Living in a home where minimal dry or wet vermiculite attic insulation disturbance (i.e., moving and storage of boxes) occurs 4 times/year.	400 / 2000	0.0067 / 0.0013	0.0079 / 0.0016
9. Background Exposure (Living in a home with vermiculite attic insulation).	2400	0.0011	0.0013