σ_g = exp [Ln(median/lower bound)/n]
= exp [Ln(upper bound/median)/n]

n: the number of standard deviations corresponds to the percentage of the particles in the reported range (see table H-3).

TABLE H-3. PERCENTAGE OF PARTICLES IN THE REPORTED RANGE ASSOCIATED WITH THE NUMBER OF STANDARD DEVIATIONS (n) USED TO CALCULATE THE GEOMETRIC STANDARD DEVIATION

Percentage of Particles in the Reported Range	n
0.68	1
0.95	2
0.997	3
>0.999	4