ENVIRONMENTAL SAMPLING

Figure 2. Equation for Initial Field Evaluation of Air Sampling Data

$$dpm/m^3 = \frac{CPM \times CF}{AFR \times T\ (min)} - \text{Background Reading}$$

where:

CPM = Alpha meter reading on air filter in counts per minute

CF = Conversion factor (3,000 for ADM-300; 4,000 for AN/PDR-56) includes unit conversions, area correction factors, and other constants, assuming use of 8 x 10-inch Whatman #41 filter paper. For 4-inch, (round) filter paper, the conversion factors are 200 and 800 for the AN/PDR-77 and AN/PDR-56, respectively.

AFR = Average Flow Rate of the air sampler in CFM

T = Time in minutes the air sampler was running