## ENVIRONMENTAL SAMPLING

Figure 3. Equation for Field Evaluation of Air Sampling Data

$$dpm/m^3 = \frac{CPM \times A_f}{0.5 \times m^3 \times F \times E_f \times E_c \times A_c}$$

where
- CPM = Alpha meter reading on air filter in counts per minute
- $A_f$ = Area of filter used (any units)
- $m^3$ = Total volume of sampled air in cubic meters
- F = Alpha absorption factor for filter used (from manufacturer's specifications)
- $E_f$ = Collection efficiency of filter used (from manufacturer's specifications)
- $E_c$ = Efficiency of counting instrument
- $A_c$ = Area of filter actually counted by the instrument (same units as $A_f$)