

Aiken Technical College
Radiation Protection Technology Program
Air Sample Data Sheet
 (For Training Purposes Only—No Actual Hazards Exist)



Location:

Date:

RP Technician (s):

Sampler Information

Model:

Serial Number:

Media:

Calibration Due Date:

Sampling Information

1 cubic foot = 2.8316 E⁵ cubic centimeters

Sampling Time		Sample Flow Rate (CFM)		Sample Type:
ON	OFF	ON	OFF	
				Total Volume (cc):

Counting Data

Model:

Serial Number:

Background (cpm):

Calibration Due Date:

Model:

Serial Number:

Background (cpm):

Calibration Due Date:

Type	Counter Efficiency cpm/dpm	Background Count Rate cpm	Quick Count net cpm	6 Hour Count Rate net cpm	24 Hour Count Rate net cpm
Alpha	0.4				
Beta	0.1				

$$Activity \frac{\mu Ci}{cc} = \frac{cpm}{eff\left(\frac{cpm}{dpm}\right) * volume(cc) * 0.99 * 2.22E^6 \left(\frac{dpm}{\mu Ci}\right)}$$

$$\alpha \frac{\mu Ci}{cc} = \underline{\hspace{10em}}$$

$$\beta \frac{\mu Ci}{cc} = \underline{\hspace{10em}}$$