$$C = \frac{RISK \ \ x \ AT \ \ x \ 365 \ \ d/yr}{URF \ \ x \ 1000 \ \ \mu g/mg \ \ x \ EF \ \ x \ ED \ \ x \left[\frac{1}{VF} + \frac{1}{PEF} \right] x \ TA}$$

RESIDENTIAL DEFAULT INPUT PARAMETERS			
INHALATION			
TERM	***DESCRIPTION***	***UNITS***	***VALUE***
C	*Concentration Of Contaminant In Soil*	*mg/kg*	*Calculated*
RISK	*Target Cancer Risk Level (Carcinogens)*	*Dimensionless*	10^{-6}
HI	*Hazard Index (Noncarcinogens)*	*Dimensionless*	*1*
AT	*Averaging Time (Carcinogens)*	*years*	*70*
AT	*Averaging Time (Noncarcinogens)*	*years*	*30*
URF	*Inhalation Unit Risk Factor (Carcinogens)*	$(\mu g/m^3)^{-1}$	4×10^3
EF	*Exposure Frequency*	*days/year*	*350*
ED	*Exposure Duration*	*years*	*30*
VF	*Soil-To-Air Volatilization Factor*	m^3/kg	*In the case of arsenic, the 1/VF was considered 0 because it does not spontaneously volatilize*
PEF	*Particulate Emission Factor*	m^3/kg	4.51×10^9
TA	*Time Adjustment Factor*	*Dimensionless*	*1*