

Input exposure parameters in the health risk estimate for adult population of the Slovak Republic due to groundwater and soil contamination

Analyzed media		Parameter	Value	Unit	Reference
	<i>BW</i>	Body weight	70	kg	US EPA, 1991
	<i>AT*</i>	Averaged exposure period - cancer risk	25 550	day	US EPA, 1989a
Groundwater	<i>AT*</i>	Averaged exposure period - chronic risk	25 550	day	US EPA, 1989a
	<i>CW</i>	Groundwater concentration of chemical	Specific locally	mg l <sup>-1</sup>	
	<i>IR</i>	Daily water intake	2	l day <sup>-1</sup>	US EPA, 1989b
	<i>EF</i>	Exposure frequency	365	day year <sup>-1</sup>	US EPA, 1989a
	<i>ED</i>	Exposure duration	70	year	US EPA, 1989a
Soils	<i>AT*</i>	Averaged exposure period - chronic risk	23360	day	US EPA, 1989a
	<i>CS</i>	Soil concentration of chemical	Specific locally	mg kg <sup>-1</sup>	
	<i>IR</i>	Daily soil intake	50	mg day <sup>-1</sup>	US EPA, 1991
	<i>FI</i>	Fraction ingested from contaminated source	1	-	US EPA, 1991
	<i>EF</i>	Exposure frequency	40	day year <sup>-1</sup>	US EPA, 1999b
	<i>ED</i>	Exposure duration	64	year	US EPA, 1991
	<i>CF</i>	Conversion factor	10 <sup>-6</sup>	kg mg <sup>-1</sup>	US EPA, 1989a

\*In case of chronic risk  $AT = ED \times 365 \text{ day year}^{-1}$ , for cancer risk  $AT \sim \text{lifetime (LT)} = 70 \text{ years}$

Input exposure parameters in the chronic risk estimate for child population of the Slovak Republic due to soil contamination

Analyzed media		Parameter	Value	Unit	Reference
	<i>BW</i>	Telesná hmotnosť	15	kg	US EPA, 1991
	<i>AT*</i>	Spriemerovaná doba expozície - chronické riziko	2190	day	US EPA, 1989a
Soils	<i>CS</i>	Soil concentration of chemical	Specific locally	mg kg <sup>-1</sup>	
	<i>IR</i>	Daily soil intake	100	mg deň <sup>-1</sup>	US EPA, 1991
	<i>FI</i>	Fraction ingested from contaminated source	1	-	US EPA, 1991
	<i>EF</i>	Exposure frequency	120	day year <sup>-1</sup>	US EPA, 1999b
	<i>ED</i>	Exposure duration	6	year	US EPA, 1991
	<i>CF</i>	Conversion factor	10 <sup>-6</sup>	kg mg <sup>-1</sup>	US EPA, 1989a

\*In case of chronic risk  $AT = ED \times 365 \text{ day year}^{-1}$