

Table VI
Default Parameters for Figures 4, 5, and 7

Symbol	Definition (units)	Receptor	Default	Reference
BW	body weight (kg)	aggregate resident ¹	51.9	Derived from equation using child and adult body weights (See Appendix A) Derived from NHANES III data (See Appendix A)
		child ²	16.8	
		adult/worker	76.1	
IRo	ingestion rate, oral (mg/day)	aggregate resident	120	Derived from equation using child and adult ingestion rates (Technical Report, page 21) USEPA (1996b)
		child	200	
		worker	50	
EF	exposure frequency (days/yr)	aggregate resident	350	USEPA (1996b)
		child	350	
		worker	250	
ED	exposure duration (years)	aggregate resident	30	USEPA (1996b)
		child	6	
		worker	25	
SA	surface area exposed (cm ² /day)	aggregate resident	4810	Derived from NHANES III data using allometric scaling (See Appendix A)
		child	2960	
		worker	3500	
AF	adherence factor (mg/cm ²)	aggregate resident	0.1	RAGS (part E), USEPA 2000 Supplemental Guidance for Dermal Risk Assessment – Interim Guidance
		child	0.2	
		worker	0.2	
AT	averaging time (days) (carcinogens)		25550 (70 years)	RAGS (part A), USEPA 1989a (EPA/540/1-89/002) (AT=ED)
	averaging time (days) (non-carcinogens)	aggregate resident	10950 (30 years)	
		child	2190 (6 years)	
		worker	9125 (25 years)	
IRi	inhalation rate (m ³ /day)	aggregate resident	12.2	Exposure Factors Handbook, USEPA 1997 (See Appendix A)
		child	8.1	
		worker	20	
DA	dermal absorption (unitless) (organics)		0.01	USEPA Region 4 Guidance
	dermal absorption (unitless) (inorganics)		0.001	
VF	volatilization factor (m ³ /kg)		chemical-specific	Soil Screening Guidance, USEPA 1996b (EPA/540/R-95/128) (See Fig. 7)
PEF ³	particulate emission factor (m ³ /kg)		1.24 x 10 ⁹	Soil Screening Guidance, USEPA 1996b (EPA/540/R-95/128) (See Fig. 6)
TR	target cancer risk (unitless)		10 ⁻⁶	Per Sections 376.3071, 376.30701, 376.3078(4) 376.81, F.S.
THI	target hazard index (unitless)		1	Per Sections 376.3071, 376.30701, 376.3078(4) 376.81, F.S.

¹ Aggregate Resident: Age 1 to 31 years.

² Child: Age 1 to 7 years.

³ The default PEF is for 0.5 acre sites with undisturbed soil. Site-specific PEFs must be calculated for sites with contaminated areas which are significantly larger in size or if warranted based on site-specific conditions.