

DOCUMENT EPA ARCHIVE SN

GW-ADV Version 3.0; 02/03 Reset to Defaults		YES	OR]	nter "X" in "YES" bo		S" box and initial grou	indwater.conc.be	low)			
		YES	x	1					- /			
	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C _W (µg/L)			Chemical							
	156592	6.00E+01	-	ci	s-1,2-Dichloroe	thylene						
MORE ↓	ENTER Average soil/ groundwater temperature, Ts (°C)	ENTER Depth below grade to bottom of enclosed space floor, L _F (cm)	ENTER Depth below grade to water table, L _{WT} (cm)	ENTER	ENTER st add up to value o Thickness of soil stratum B, (Enter value or 0) h _B (cm)	ENTER of L _{WT} (cell G28) Thickness of soil stratum C,	Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k _v (cm ²)	
	8.33	200	1417.32	640.08	548.64	228.6	С	S	L]		-
	ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n ^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ _b ^B (g/cm ³)	ENTER Stratum B soil total porosity, n ^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm ³)	ENTER Stratum C soil total porosity, n ^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm ³ /cm ³)
	L	1.59	0.399	0.148	SIC	1.38	0.481	0.216	S	1.66	0.375	0.054
MORE ↓	ENTER Enclosed space floor thickness, L _{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L _B (cm)	ENTER Enclosed space floor width, W _B (cm)	ENTER Enclosed space height, H _B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	L	ENTER Average vapor flow rate into bldg. OR eave blank to calcula Q _{soli} (L/m)	ate		
	10	40	1000	1000	366	0.1	0.9	=	5	-		
	ENTER Averaging time for carcinogens, AT _c (yrs)	ENTER Averaging time for noncarcinogens, AT _{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)		_		-		
END	70	30	30	350		1 late risk-based concentration.						

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RESULTS SHEET

RISK-BASED GROUNDWATER CONCENTRATION CALCULATIONS:

INCREMENTAL RISK CALCULATIONS:

Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (µg/L)	Risk-based indoor exposure groundwater conc., (µg/L)	Pure component water solubility, S (µg/L)	Final indoor exposure groundwater conc., (µg/L)	 Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	NA	NA	3.50E+06	NA	NA	8.4E-03

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

MESSAGE: Risk/HQ or risk-based groundwater concentration is based on a route-to-route extrapolation.

SCROLL					
DOWN					
TO "END"					

END