

**Table A**  
**Calculation of Acceptable Depth to 1,2-Dichloropropane (DCP) Presence**

Variable	Units	Residential Scenario	Nonresidential Scenario
Initial Soil Concentration (based on the soil to groundwater MSC)	µg/kg	500	500
Depth below grade to foundation (assumes slab-on-grade)	cm	15	15
Vadose zone soil type	--	sand	sand
Averaging time (noncarcinogens)	years	30	25
Exposure duration	years	30	25
Exposure frequency	days/year	350	250
Acceptable depth below grade to top of DCP Presence (results in an HI of 1)	cm	<b>345</b>	<b>245</b>

Note: Default soil properties (temperature, foc, bulk density, total soil porosity, air-filled soil porosity, and water-filled soil porosity) are from PADEP (1997) and chemical-physical properties (solubility and Koc) are from PADEP's on-line database. All other values are default from Version 2.3 of model SL-SCREEN, last updated in March 2001.