

**February 2016 Amendment:** Table B-1 in October 2009 Draft Guidance should no longer be used.

**April 2018 Amendment:** Links to Ecology's new website now updated.

Effective April 6, 2015, **Table B-1** found in this guidance has been updated and should not be used. Please access the Microsoft Excel spreadsheet with updated screen levels at:

<https://ecology.wa.gov/Asset-Collections/Doc-Assets/Regulations-Permits/Guidance-technical-assistance/Vapor-Intrusion/2015VaporIntrusionUpdates> (new link as of April 2018)

This table can also be accessed from the Vapor Intrusion Guidance website located at:

<https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Vapor-intrusion-overview/Vapor-intrusion-2015-changes-to-the-2009-toxicit> (new link as of April 2018)

**Table B-1. Indoor Air Cleanup Levels, Groundwater Screening Levels, and Soil Gas Screening Levels**  
 Note: Numeric values are rounded and expressed with two significant numbers. The numerator soil gas value is the screening level for sub-slab measurements; the denominator value is the screening level for deep soil gas measurement.

Name of Hazardous Substance	CAS #	Risk Driver	Method B						Risk Driver	Method C					
			Indoor Air CUL <sup>a</sup>		GW SL <sup>a</sup>		Soil Gas SL <sup>b</sup>			Indoor Air CUL		GW SL		Soil Gas SL	
			C	NC	C	NC	C	NC		C	NC	C	NC	C	NC
2-chloro-2-butadiene (chloroprene)	126-99-8	NC		3.2		12		32/320	NC		7		25		70/700
acetaldehyde	75-07-0	C	1.1	4.1	530	1900	11/110	41/410	NC	11	9	5300	4200	110/1100	90/900
acetonitrile	75-05-8	NC		27		33000		270/2700	NC		60		72000		600/6000
acetophenone	98-86-2	NC		0.008		50		0.08/0.8	NC		0.018		110		108/1.8
acrolein (Propenal)	107-02-8	NC		0.0091		2.9		0.091/0.91	NC		0.02		6.4		0.2/2
acrylonitrile	107-13-1	C	0.037	0.91	16	390	0.37/3.7	9.1/91	C	0.37	2	160	850	16/160	20/200
aldrin	309-00-2	C	0.00051		0.32		0.0051/0.051		C	0.0051		3.2		0.051/0.51	
benzene	71-43-2	C	0.32	14	2.4	100	3.2/32	140/1400	C	3.2	30	24	230	32/320	300/3000
benzyl chloride	100-44-7	C	0.052		6.2		0.52/5.2		C	0.52				5.2/52	
bis(2-chloroethyl)ether	111-96-6	C	0.0076		26		0.076/0.76		C	0.076		260		0.76/7.6	
bromodichloromethane	75-27-4	C	0.0033		0.09		0.033/0.33		C	0.033		0.9		0.33/3.3	
bromoform	75-25-2	C	2.3		200		23/230		C	2.3		2000		230/2300	
bromomethane (bromomethane)	74-83-9	NC		2.3		13		23/230	NC		5		28		50/500
butadiene,1,3-	106-99-0	C	0.06	0.91	0.037	0.42	0.8/8	9.1/91	C	0.8	2	0.37	0.92	8/80	20/200
carbon disulfide	75-15-0	NC		0.03		400		3200/32000	NC		700		870		7000/70000
carbon tetrachloride	56-23-5	C	0.17		0.22		1.7/17		C	1.7		2.2		17/170	
chlorobenzene	108-90-7	NC		8		100		80/800	NC		18		220		180/1800
chlorodifluoromethane (Freon 22)	75-45-6	NC		23000		23000		230000/2300000	NC		50000		58000		500000/5000000
chloroform	67-66-3	C	0.11		1.2		1.1/11		C	1.1		12		11/110	
chloromethane	74-87-3	C	1.4		5.2		1.4/14		C	1.4		5.2		140/1400	
chloropropane,2-	75-29-6	NC		4.6		12		46/460	NC		10		26		100/1000
cumene (Isopropylbenzene)	98-82-8	NC		180		720		1800/18000	NC		400		1600		4000/40000
dibromochloromethane	124-48-1	C	0.0045		0.22		0.045/0.45		C	0.045		2.2		0.45/4.5	
dichlorobenzene,1,2-	95-50-1	NC		64		1800		640/6400	NC		140		4000		1400/14000
dichlorobenzene,1,4-	106-46-7	NC		370		7900		3700/37000	NC		800		17000		8000/80000
dichlorodifluoromethane (Freon 12)	75-71-8	NC		80		9.9		800/8000	NC		180		22		1800/18000
dichloroethane,1,1- (DCA)	75-35-4	NC		320		2300		3200/32000	NC		700		5000		7000/70000
dichloroethane,1,2- (DCE)	107-06-2	C	0.096	2.2	4.2	98	0.96/9.6	22/220	C	0.96	4.9	42	210	9.6/96	49/490
dichloroethylene,1,1- (DCE)	75-35-4	NC		91		130		910/9100	NC		200		280		2000/20000
dichloroethylene,1,2- cis (DCE)	156-59-2	NC		16		160		160/1600	NC				350		350/3500
dichloroethylene,1,2- trans (DCE)	156-60-5	NC		32		130		320/3200	NC		70		290		700/7000
dichloropropane,1,1,1-	78-87-5	NC		1.8		28		18/180	NC		4		62		40/400
dichloropropane,1,1,2-	542-75-6	C	0.63	9.1	1.6	23	6.3/63	91/910	C	6.3	20	16	26	63/630	200/2000
diisopropyl ether (isopropyl ether)	108-20-3	NC							NC		400		6300		4000/40000
ethyl chloride	75-00-3	C							C	30	10000	120	40000	300/3000	100000/1000000

<sup>a</sup> Indoor Air Cleanup Level calculated using Equations 750-1 (for carcinogens) or 750-2 (for carcinogens) defined by MTC.

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<https://ecology.wa.gov/Spills-Cleanup/Contamination-cleanup/Cleanup-sites/Toxic-cleanup-sites> (new link as of April 2018)