February 2016 Amendment: Table B-1 in October 2009 Draft Guidance should no longer be used.

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:

http://www.ecy.wa.gov/programs/tcp/policies/VaporIntrusion/Vapor%20Intrusion%20Table%20update%20April%206%202015.xlsx

This table can also be accessed from the Vapor Intrusion Guidance website located at: http://www.ecy.wa.gov/programs/tcp/policies/VaporIntrusion/vig.html

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.

		Method B							Method C						
		Risk Driver	Indoor Air CUL[79] (µg/m³)		GW SL[80] (µg/L)		Soil Gas SL[81] (µg/m³)		Risk Driver	Indoor Air CUL (µg/m³)		GW SL (µg/L)		Soil Gas SL (µg/m³)	
Name of Hazardous Substance	[82]CAS #		C[83]	NC	C	NC	C	NC		C	NC	C	NC	C	NC
2-chloro-1,3-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		600/6[illegible]
acetophenone	98-86-2	NC		0.008		50		0.08/0.8	NC		0.018		110		[illegible]8/1.8
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	[illegible]/37	20/200
aldrin	309-00-2	C	0.00051		0.32		0.0051/0.051		C	0.0051		3.2	[illegible]	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	[illegible]230	32/320	300/3000
benzyl chloride	[illegible]-44-7	C	0.052		6.2		0.52/5.2		C	0.52		[illegible]		5.2/52	
bis(2-chloroethyl)ether	111-[illegible]	C	0.0076		26		0.076/0.76		C	0.076		[illegible]	260	0.76/7.6	
bromodichloromethane	75-27-4	C	0.0033		0.09		0.033/0.33		C	0.033		[illegible]	0.9	0.33/3.3	
bromoform	75-25-2	C	2.3		200		23/230		C	[illegible]		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	0.08	0.91	0.037	0.42	0.8/8	9.1/91		0.8	2	0.37	0.92	8/80	20/200
carbon disulfide	75-15-0	NC		[illegible]		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		[illegible]000		230000/2300000	NC		50000		58000		500000/5000000
chloroform	67-66-3	C	0.11		1.2		[illegible]2/11		C	1.1		12		11/110	
chloromethane	74-87-3	C	1.4		5.2		[illegible]/140		C	14		52		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		640/6[illegible]0	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-[illegible]	NC		320		2300		3200/32000	NC		700		5000		7000/70000
dichloroethane;1,2- (DCA)	107-06-2	C	0.096	2.2	4.2	98	0.96/9.6	22/220	C	[illegible]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		[illegible]		350		350/3500
dichloroethylene;1,2-,trans (DCE)	156-60-5	NC		32		130		320/3200	NC		70		290		700/7000
dichloropropane;[illegible]	78-87-5	NC		1.8		28		18/180	NC		4		62		40/400
dichlor[illegible]pene;1,3-	542-75-6	C	0.63	9.1	1.6	23	6.3/63	91/910	C	6.3	20	16	[illegible]	63/630	200/2000
Diisopropyl Ether (isopropyl ether)	108-20-3	NC		180		[illegible]		1800/18000	NC		400		6300		4000/40000
ethyl chloride	75-00-3	C	3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C	30	10000	120	40000	300/[illegible]	100000/1000000

[79] Indoor Air Cleanup Level calculated using Equations 750-1 (for carcinogens) or 750-2 (for carcinogens) defined by MTCA.

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