



DEEP-REM-SEH-FS-500  
**REFERENCE TABLE B**  
 Semi-Volatile Organic  
 Substances and  
 Pesticides

**Significant Environmental Hazard Condition  
 Notification Threshold Concentrations**

	Drinking Water Well Groundwater Protection Criteria (µg/l)	Surface Soil Contamination Direct Exposure Criteria (mg/kg)		Surface Water 10 x Acute Toxicity <sup>3</sup> (µg/l)	
		Residential Land Use (15 x Res. DEC)	Industrial or Commercial Land Use (30 x I/C DEC)	Fresh-water	Salt water
<b>Petroleum and NAPL</b>					
VPH/EPH	note 5	NE	NE	note 2	
CT ETPH	250	note 1	note 1	note 2	
NAPL	If present	NE	NE	If present (note 4)	
<b>Semivolatile Organic Substances</b>					
Acenaphthylene	420	15000	note 1	note 2	note 2
Acrolein	note 5	NE	NE	30	note 2
Anthracene	2000	15000	note 1	note 2	note 2
Benzo(a)anthracene	0.06	15	234	note 2	note 2
Benzo(b)fluoranthene	0.08	15	234	note 2	note 2
Benzo(k)fluoranthene	0.5	126	2340	note 2	note 2
Benzo(a)pyrene	0.2	15	30	note 2	note 2
Bis(2-chloroethyl)ether	12	15	156	note 2	note 2
Bis(2-chloroisopropyl) ether	12	132	2460	note 2	note 2
Bis(2-ethyl hexyl) phthalate	2	660	12300	note 2	note 2
Butyl benzyl phthalate	1000	15000	note 1	note 2	note 2
2-chlorophenol	36	5100	note 1	note 2	note 2
Di-n-butyl phthalate	700	15000	note 1	note 2	note 2
Di-n-octyl phthalate	100	15000	note 1	note 2	note 2
2,4-Dichlorophenol	20	3000	note 1	note 2	note 2
Fluoranthene	280	15000	note 1	note 2	note 2
Fluorene	280	15000	note 1	note 2	note 2
Hexachloroethane	3	660	12300	note 2	note 2
Hexachlorobenzene	1	15	108	note 2	note 2
Isophorone	note 5	NE	NE	note 2	note 2
Naphthalene	280	15000	note 1	note 2	note 2
Pentachlorophenol	1	76.5	1440	190	130
Phenanthrene	200	15000	note 1	note 2	note 2



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Phenol	4000	15000	note 1	note 2	note 2
Pyrene	200	15000	note 1	note 2	note 2
<b>Pesticides</b>					
Alachlor	2	115.5	2160	note 2	note 2
Aldicarb	3	210	12300	note 2	note 2
Aldrin	note 5	NE	NE	15	6.5
Atrazine	3	42	780	note 2	note 2
Chlordane	0.3	7.35	66	12	0.45
DDT	note 5	NE	NE	5.5	0.65
Dieldrin	0.002	0.57	10.8	2.4	3.55
Endosulfan (alpha or beta)	note 5	NE	NE	1.1	0.17
Endrin	NE	300	18300	0.86	0.185
2-4 D	70	10200	600000	note 2	note 2
Heptachlor epoxide	0.2	1.005	18.9	2.6	0.265
Heptachlor	0.4	2.1	39	2.6	0.265
Lindane	0.2	300	18300	9.5	0.8
Methoxychlor	40	5100	300000	note 2	note 2
Simazine	4	NE	NE	note 2	note 2
Toxaphene	3	8.4	156	7.3	2.1

Refer to the Remediation Standard and Water Quality Standards Regulations for source of numbers reported or used in calculation for numbers in this table. Information in this table is provided for convenience; it is the user's responsibility to verify that the tabulated concentrations are correct. In the case of errors in this table, the calculated concentrations, according to the provisions of CGS Section 22a-6u, govern.

Note: There are no established target indoor air concentrations for semi-volatile organic substances; thus there are no applicable threshold concentrations to trigger notification for a volatilization hazard. In the event that high levels of the more volatile chemicals in this list may be present in close proximity to structures, contact the DEEP's Remediation Division.

Note 1 Notification to owner by TEP not required by statutory exception.

Note 2 No acute toxicity criterion published in Water Quality Standards Regulations to form the basis for a threshold concentration.

Note 3 Ten times Acute Aquatic Toxicity value in Table 3: Numeric Water Quality Criteria in Water Quality Standards Regulations; dissolved values unless otherwise noted.

Note 4 In the event that free petroleum product is actively entering surface waters, contact DEEP's Emergency Response and Spill Prevention Division at 860-424-3338.

Note 5 If detected in a supply well and associated with release being investigated, notification required under CGS 22a-6u (c)(1)(B).

NE No established criterion to use in determining the significant environmental hazard notification threshold concentration.