



Wis. Admin. Code ch. NR 720 RCL Quick Reference Table Contaminated Soil



October 2018

Contaminant	Not-To-Exceed D-C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	RCL-gw (mg/kg) DF=2
	Non-Industrial	Industrial	
Benzene	1.6	7.07	0.0051
Ethylbenzene	8.02	35.4	1.57
Toluene	818	818	1.1072
Xylenes	260	260	3.96
Methyl tert-Butyl Ether (MTBE)	63.8	282	0.027
Dichloroethane, 1,2- (DCA)	0.652	2.87	0.0028
Dibromoethane, 1,2-	0.05	0.221	2.82E-05
Trichloroethylene (TCE)	1.3	8.41	0.0036
Tetrachloroethylene (PCE)	33	145	0.0045
Vinyl Chloride (VC)	0.067	2.08	0.0001
Dichloroethylene, 1,1- (DCE)	320	1,190	0.005
Dichloroethylene, 1,2-trans-	1,560	1,850	0.0626
Dichloroethylene, 1,2-cis-	156	2,340	0.0412
Trichloroethane, 1,1,1-	640	640	0.1402
Carbon Tetrachloride	0.916	4.03	0.0039
Pentachlorophenol (PCP)	1.02	3.97	0.0028
Trimethylbenzene, 1,2,4-	219	219	1.3787
Trimethylbenzene, 1,3,5-	182	182	
Naphthalene	5.52	24.1	0.6582
Benzo[a]pyrene	0.115	2.11	0.47
Acenaphthene	3,590	45,200	
Anthracene	17,900	100,000	196.9492
Benz[a]anthracene	1.14	20.8	

Contaminant	Not-To-Exceed D-C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	RCL-gw (mg/kg) DF=2	Background Threshold Value (BTV) (mg/kg)
	Non-Industrial	Industrial		
Benzo(j)fluoranthene	0.424	1.76		
Benzo[b]fluoranthene	1.15	21.1	0.478	
Benzo[k]fluoranthene	11.5	211		
Chrysene	115	2110	0.1442	
Dibenz[a,h]anthracene	0.115	2.11		
Dibenzo(a,e)pyrene	0.042	0.176		
Dimethylbenz(a)anthracene, 7,12-	4.59E-04	0.008		
Fluoranthene	2,390	30,100	88.8778	
Fluorene	2,390	30,100	14.8299	
Indeno[1,2,3-cd]pyrene	1.15	21.1		
Methylnaphthalene, 1-	17.6	72.7		
Methylnaphthalene, 2-	239	3,010		
Nitropyrene, 4-	0.424	1.76		
Pyrene	1,790	22,600	54.5455	
Arsenic, Inorganic	0.677	3	0.584	8.3
Barium	15,300	100,000	164.8	364
Beryllium and compounds	156	2,300	6.32	
Cadmium (Diet)	71.1	985	0.752	1.07
Chromium(VI)	0.301	6.36	3.84	
Chromium, Total			360,000 if no Cr-VI	43.5
Lead and Compounds	400	800	27	51.6
Mercury (elemental)	3.13	3.13	0.208	
Selenium	391	5,840	0.52	

NOTES:

- 1) This table of the most common compounds is intended to be a quick reference ONLY. It does not take into account cumulative effects as required in Wis. Admin. Code s. NR 720.12(1).
- 2) Values in this table are taken from the Wis. Admin. Code ch. NR 720 RR soil RCL spreadsheet which is periodically updated. PLEASE be sure to reference this spreadsheet for the most current values.

Green denotes a carcinogenic PAH (cPAH) dependent on BaP toxicity values
 Orange denotes frequently referenced compounds

There are other cPAHs in the table that are not dependent on BaP: Naphthalene; Benzo(j)fluoranthene; Dibenzo(a,e)pyrene; 7,12-Dimethylbenz(a)anthracene; 1-Methylnaphthalene; 4-Nitropyrene.

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