

Arizona Department of Environmental Quality UST Program

July 2017

Tier 1 Cleanup Standards: Petroleum Products

	AQUIFER WATER QUALITY STANDARDS (µg/L)	SOIL REMEDIATION LEVELS-2007 (mg/Kg) Child Care/School (10 ⁻⁶)	SOIL REMEDIATION LEVELS- 2007 (mg/Kg) Residential (10 ⁻⁵)	SPREADSHEET MINIMUM GPL- 2007 (mg/Kg) (soil leaching) <i>*Saturation in soil</i>
ORGANIC				
1,3-Butadiene		0.058	0.58	
1,2-Dibromoethane (EDB)	0.05	0.029	0.29	
1,2-Dichloroethane (DCA)	5	0.28	2.8	0.23
1,2,4-Trimethylbenzene			52	
1,3,5-Trimethylbenzene			21	
Benzene	5	0.65	0.65	0.70
n-Butylbenzene			240	
sec-Butylbenzene			220	
tert-Butylbenzene			220	
Carbon disulfide		360	360	
Cumene (isopropylbenzene)			92	
Cyclohexane			140	
Cyclohexanone		310,000	310,000	
Dicyclopentadiene			0.54	
Ethylbenzene	700		400	82*
n-Hexane			110	
Methyl ethyl ketone (MEK)			23,000	
Methyl isobutyl ketone (MIBK)			5,300	
Methyl tert-butyl ether (MTBE)* see MTBE interim groundwater policy	No AWQS *Tier 1: 94 or 20	32	320	
Methylcyclohexane			230	
n-Propylbenzene			240	
Toluene	1,000		650	159*
Xylenes (total)	10,000		270	31*
Tetraethyl lead			0.0061	

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POLYAROMATIC HYDROCARBONS				
Acenaphthene			3,700	
Anthracene			22,000	
Benz[a]anthracene		0.69	6.9	
Benzo[a]pyrene	0.2	0.069	0.69	
Benzo[b]fluoranthene		0.69	6.9	
Benzo[k]fluoranthene		6.9	69	
Chrysene		68	680	
Dibenzo[a,h]anthracene		0.069	0.69	
Fluoranthene		2,300	2,300	
Fluorene			2,700	
Indeno[1,2,3-c,d]pyrene		0.69	6.9	
Naphthalene			56	
Pyrene			2,300	
INORGANIC (RCRA 8 Metals)				
Arsenic	50 (MCL is 10)	10	10	290
Barium			15,000	
Cadmium	5		39	29
Chromium III	100		120,000	
Chromium VI	100	30		
Lead	50		400	290
Mercury	2		23	12
Selenium	50		390	290
Silver			390	