

Table: Soil Value Standards [mg/kg] (6)

Chemical	CAS	Residential/ Commercial/ Industrial/ Unrestricted		Soil Concentration Protective of Groundwater (4)		Leachate Reference Concentration	
		[mg/kg]	Notes	[mg/kg]	Notes	[mg/l]	Notes
Volatile Organic Compounds							
Benzene	71-43-2	0.60	c	0.17		NA	
Carbon Tetrachloride	56-23-25	0.23	c	0.925		NA	
1,1-Dichloroethane	75-34-3	546.80	nc	16.5		NA	
1,1-Dichloroethylene	75-35-4	0.05	c	12.0		NA	
Ethylbenzene	100-41-4	1,000	5,nc	104.3		NA	
Pentachlorophenol	87-86-5	0.51	c	0.045		NA	
Tetrachloroethylene	127-18-4	2.02	c	1.875		NA	
Toluene	108-88-3	667.85	nc	85		NA	
1,1,1-Trichloroethane	71-55-6	797.19	nc	62.5		NA	
Trichloroethylene	79-01-6	2.99	c	0.675		NA	
Vinyl chloride	75-01-4	0.02	c	7.0		NA	
Semi-Volatile Organic Compounds							
Naphthalene	91-20-3	289.1	nc	51.4		NA	
Phenol	108-95-2	1,000	5,nc	23.675		NA	
Xylene (total)	1330-20-7	1,000	5,nc	1,000	5	NA	
Pesticides/PCBs							
DDT	50-29-3	0.58	c	1,000	5	NA	
Dieldrin	60-57-1	0.01	c	1,000	5	NA	
PCBs	1336-36-3	0.07	c	1,000	5	NA	
-Aroclor 1016	126-74-112	2.99	nc	1,000	5	NA	
-Aroclor 1254	110-97-691	0.63	nc	1,000	5	NA	
Metals and Inorganic Compounds							
Arsenic	7440-38-2	78.0	c, 7	NA (Use 78.0)		?	
Cadmium and compounds	7440-43-9	99.5	nc	NA (Use 99.5)		0.11	
Chromium (VI)	7440-47-3	53.94	nc	NA (Use 53.94)		2.2	1
Copper and compounds	7440-50-8	2,570	nc	NA (Use 2,570)		22	
Lead	7439-92-1	400	nc,3	NA (Use 400)		1.1	
Mercury (inorganic)	7439-97-6	17.66	nc	NA (Use 17.66)		0.044	

NOTES:

c - Standard based on carcinogenic risk.

nc - Standard based on noncarcinogenic risk.

NA - Not Applicable: use of this Table to select soil remediation objectives under Tier 2 (as described in the CDPHE's "Proposed Soil Remediation Objectives Policy Document" (Dec. 1997)) does not allow for the calculation of a soil concentration under this column.

1. For total chromium

2. Includes residential areas, playgrounds, parks and other public areas, as well as industrial and commercial sites.

3. EPA, July 14, 1994 "Revised Interim Soil Lead Guidance for CERCLA Site and RCRA Corrective Action Facilities," OSWER Directive 9355.4-12.

4. To be utilized when there may be direct contact with surface or groundwater resources. (Most restrictive standard to be used+A11.)

5. Upper Concentration Limit

6. Derived from Table 1, "Soil Cleanup Value Standards," of the CDPHE's "Proposed Soil Remediation Objectives Policy Document" (Dec. 1997).

7. Higher Arsenic level utilized than in the CDPHE's Table 1 (reflecting higher natural background levels), based upon the recommendation of CDPHE staff in a June 21, 2006 conference call.