

EPA's Proposed Soil and Groundwater Performance Goals

Soil Standards are yet to be set via V-L each modeling

Table 12-5

Cleanup Levels for Contaminants of Concern				
Medium	Contaminant of Concern	Cleanup Level	Basis for Clean up Level	Risk at Cleanup Level 1
Soil (VOCs)	1,1-Dichloroethane (1,1-DCA)	Leachate <MCL ^a	VLEACH modeling	TBD
	1,1-Dichloroethene (1,1-DCE)	Leachate <MCL	VLEACH modeling	TBD
	1,2-Dichloroethane (1,2-DCA)	Leachate <MCL	VLEACH modeling	TBD
	1,2-Dichloropropane (1,2-DCP)	Leachate <MCL	VLEACH modeling	TBD
	1,2,3-Trichloropropane (1,2,3-TCP)	Leachate <PQL	VLEACH modeling	TBD
	Benzene	Leachate <MCL	VLEACH modeling	TBD
	cis-1,2-Dichloroethene (cis-1,2-DCE)	Leachate <MCL	VLEACH modeling	TBD
	trans-1,2-Dichloroethene (trans-1,2-DCE)	Leachate <MCL	VLEACH modeling	TBD
	Tetrachloroethene (PCE)	Leachate <MCL	VLEACH modeling	TBD
	Trichloroethene (TCE)	Leachate <MCL	VLEACH modeling	TBD
	Vinyl chloride	Leachate <MCL	VLEACH modeling	TBD
Soil (nonVOCs)	Aroclor-1254	870 :g/kg	Human health hazard	1 e-05
	Aroclor-1260	870 :g/kg	Human health hazard	1 e-05
	B (a)P-TE ^b - Benzo(a)anthracene - Benzo(a)pyrene - Benzo(b)fluoranthene - Benzo(k)fluoranthene - Chrysene - Dibenz(a,h)anthracene - Indeno(1,2,3-cd)pyrene	900 :g/kg	Background	Background
	Lead	400 mg/kg	Human health hazard	IEUBK Model
	Groundwater (VOCs)	1,1-Dichloroethane (1,1-DCA)	5 :g/L	MCL
	1,1-Dichloroethene (1,1-DCE)	6 :g/L	MCL	HI = 0.04
	1,2-Dichloroethane (1,2-DCA)	0.5 :g/L	MCL	Cancer risk at 4.0e-06
	1,2-Dichloropropane (1,2-DCP)	5 :g/L	MCL	Cancer risk at 3.1e-05
	1,2,3-Trichloropropane (1,2,3-TCP)	1 :g/L	PQL ^c	Cancer risk at 6.2e-04
	Benzene	1 :g/L	MCL	Cancer risk at 9.0e-06
	cis-1,2-Dichloroethene (cis-1,2-DCE)	6 :g/L	MCL	HI = 0.23
	trans-1,2-Dichloroethene (trans-1,2-DCE)	10 :g/L	MCL	HI = 0.19
	Tetrachloroethene (PCE)	5 :g/L	MCL	Cancer risk at 1.2e-05
	Trichloroethene (TCE)	5 :g/L	MCL	Cancer risk at 4.9e-06
	Vinyl chloride	0.5 :g/L	MCL	Cancer risk at 2.2e-05

:g/L micrograms per liter

:g/kg micrograms per kilogram

MCL California primary maximum contaminant level

PQL Practical quantification limit

TBD To be determined

IEUBK Model - Integrated Exposure Uptake Model for Lead in Children

a MCLs from Title 22 California Code of Regulation Section 64431 and 64444 unless otherwise specified.

b Based on upper tolerance limit (UTL) background Benzo(a)pyrene-toxicity equivalent (B(a)P-TE) concentration for southern California PAH data set.

c No MCL established for 1,2,3-trichloropropane. The PQL was identified as a remedial goal for 1,2,3-trichloropropane.