

Table 1.7C
Chemicals Exceeding USEPA Region IX Residential Soil PRGs
Surface and Near Surface Soil (0 - 2.5 feet bgs)
Pemaco Superfund Site
5050 East Slauson Avenue, Maywood, California

Chemical	USEPA PRG (unit indicated below)	Maximum Concentration Found in Surface Soil	Maximum Concentration Found in Near Surface Soil
SVOCs ($\mu\text{g}/\text{kg}$)			
Benzo (a) anthracene	620	22,000 (GP-SS-14)	950 (GP-SS-31)
Benzo (a) pyrene	62	33,000 (GP-SS-14)	1,100 (GP-SS-31)
Benzo (b) fluoranthene	620	38,000 (GP-SS-14)	1,000 (GP-SS-11, GP-SS-31)
Benzo (k) fluoranthene	6,200/380*	28,000 (GP-SS-14)	760 (GP-SS-11)
Chrysene	62,000/3,800*	24,000 (GP-SS-14)	--
Dibenzo (a,h) anthracene	62	5,300 (GP-SS-14)	130 (GP-SS-31)
Indeno (1,2,3-cd) pyrene	620	19,000 (GP-SS-14)	670 (GP-SS-30)
Metals (mg/kg)			
Arsenic	22/0.39*	--	40.4 (GP-SS-45)
Iron	23,000	73,200 (GP-SS-75)	71,500 (GP-SS-61)
Lead	150	952 (GP-SS-87)	--
Manganese	1,800	1,940 (GP-SS-51)	--

Notes:

- (1.) ' $\mu\text{g}/\text{kg}$ ' - microgram per kilogram.
- (2.) 'mg/kg' - milligram per kilogram.
- (3.) "--" data not available
- (4.) Maximum concentration followed in parentheses by the sample location.
- (5.) USEPA Region IX Preliminary Remediation Goals (PRGs) are tools for evaluating and cleaning up contaminated sites. They are risk-based concentrations combining exposure information and EPA toxicity data for each environmental media; in this case, residential soil. PRGs should be viewed as Agency guidelines, not legally enforceable standards.
- (6.) '*' - State of California modified PRG.