

Table 1.7B
Chemicals Exceeding USEPA Region IX PRGs for Ambient Air (x100)
Soil Vapor, 5 feet and 15 feet bgs
Pemaco Superfund Site
5050 East Slauson Avenue, Maywood, California

Chemical	USEPA PRG X 100 (µg/m³)	Maximum Concentration 5 feet bgs February 2001 (FASP Lab)	Maximum Concentration 5 feet bgs July 2001 & March 2002	Maximum Concentration 15 feet bgs July 2001 & March 2002
Benzene	23	--	92.7 (SV2002-4-5)	204.5 (SV2002-5-15)
Bromodichloromethane	11	--	--	107.2 (SV2002-5112-15)
Chloroform	8.4	1,000 (GP-SV-SO20, GP-SV-09)	73.3 (LFSG 19)	146.5 (SV2002-5112-15)
Chloromethane	310/35*	--	--	169.3 (SV2002-5002-15)
Dibromochloromethane	8.0	--	--	12.8 (SV2002-5112-15)
cis-1,2-Dichloroethene	3,700	26,000 (GP-SV-05)	--	--
1,1-Dichloroethane	52,000/120*	8,000 (GP-SV-04)	202.4 (SV2002-5002-5)	388.6 (SV2002-5002-15)
1,1-Dichloroethene	21,000.0	36,000 (GP-SV-SO11)	1,070.6 (SV2002-5002-5)	2,379.1 9 (SV2002-5002-15)
1,1,2,2-Tetrachloroethane	3.3	--	6.9 (SV2002-5100-5)	8.3 (SV2002-5021-15)
Tetrachloroethene	67	140,000 (GP-SV-09)	4,205.1 (SV2002-5-5)	1,288.7 (SV2002-5-15)
Trichloroethene	1.7	11,000 (GP-SV-05)	2,416.4 (SV2002-5-5)	10,739.5 (SV2002-4-15D)

Notes:

(1.) µg/m³ - microgram per cubic meter.

(2.) "--" data not available

(3.) Maximum soil vapor concentrations obtained from February 2001, July 2001, and March 2002 sampling events. Because the laboratory used during the February 2001 event was a field lab (Field Analytical Screening Program - FASP lab), which typically have higher method detection limits than fixed laboratories (as used during the July 2001 and March 2002 events), a separate column was included for soil vapor collected during the February 2001 sampling event.

(4.) Maximum concentration followed in parentheses by the sample location.

(5.) No soil vapor PRGs are available. USEPA Region IX Ambient Air Preliminary Remediation Goals (PRGs) were multiplied by an attenuation factor of 100 to allow for screening of soil vapor data and to evaluate whether further investigation of ambient air is warranted. 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, ambient air (multiplied by 100). PRGs should be viewed as Agency guidelines, not legally enforceable standards.

(6.) "*" - State of California modified PRG.