

US EPA ARCHIVE DOCUMENT

Table 1 A list of background concentration values ($\mu\text{g m}^{-3}$) used in the 1999 National-Scale Assessment by pollutant¹

Pollutant	Number of Sites	Number of Counties	1996 Back-ground	Variability of Background Estimates Across Counties						
				Mean	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
ACETALDEHYDE	230	107	0	0.5551	0.4744	0.0000	0.2897	0.4832	0.7008	3.1267
FORMALDEHYDE	244	109	0.25	0.7782	0.5894	0.0000	0.3665	0.6706	1.0130	3.0853
1,1,2,2-TETRACHLOROETHANE	114	59	0	0.3626	0.6110	0.0137	0.0686	0.0686	0.3431	3.4500
1,2-DIBROMOETHANE	181	97	0.0077	0.3802	0.6462	0.0230	0.0384	0.1921	0.3072	3.8500
1,2-DICHLOROETHANE	259	115	0.061	0.1775	0.2844	0.0000	0.0405	0.0809	0.1821	2.0000
1,2-DICHLOROPROPANE	237	106	0	0.2110	0.3127	0.0127	0.0462	0.1216	0.2311	2.3000
1,3-BUTADIENE	260	104	0	0.1322	0.2379	0.0000	0.0221	0.1007	0.1524	2.2122
BENZENE	479	177	0.48	0.5067	0.5665	0.0000	0.2396	0.3854	0.6138	4.7919
BIS(2-ETHYLHEXYL)PHTHALATE ²				CEP Background used (1.6)						
BROMOFORM ²				CEP Background used (0.021)						
CARBON DISULFIDE ²				CEP Background used (0.047)						
CARBON TETRACHLORIDE ³				0.27						
CHLORDANE ²				CEP Background used (0.0000099)						
CHLOROFORM	323	134	0.083	0.2034	0.2707	0.0000	0.0586	0.1220	0.2441	1.5624
HEXACHLOROBUTADIENE ²				CEP Background used (0.0018)						
HEXACHLOROETHANE ²				CEP Background used (0.0048)						
LINDANE ²				CEP Background used (0.00025)						
METHYL BROMIDE ²				CEP Background used (0.039)						
METHYL CHLORIDE ²				CEP Background used (1.2)						
METHYLENE CHLORIDE	342	145	0.15	0.3812	0.3821	0.0000	0.1216	0.2049	0.5346	1.7368
METHYL CHLOROFORM ²				CEP Background used (1.1)						
PHOSGENE ²				CEP Background used (0.061)						
POLYCHLORINATED BIPHENYLS				CEP Background used (0.00038)						
TETRACHLOROETHYLENE	326	135	0.14	0.3772	0.4654	0.0000	0.1665	0.2374	0.3391	3.4000
TRICHLOROETHYLENE TCE	273	112	0.081	0.2769	0.3896	0.0000	0.0984	0.1612	0.2687	2.7000
VINYL CHLORIDE	282	124	0	0.1772	0.1914	0.0000	0.0256	0.1144	0.2556	1.3000
XYLENES ²				CEP Background used (0.17)						
DIESEL PM (ONROAD)			Varied	0.1412	0.0941	0.0000	0.0694	0.1218	0.2030	0.4750
DIESEL PM (NONROAD)			Varied	0.2164	0.1334	0.0000	0.1136	0.2031	0.3049	0.7123
MERCURY				CEP Background Used (0.0015)						

1. For all pollutants listed (with the exception of Diesel PM), the 1999 background used in Puerto Rico and the Virgin Islands is the same as the 1996 assessment/CEP background. For Diesel PM, the modeling based approach was used to calculate for Puerto Rico and Virgin Islands. Other pollutants in the 1999 national-scale assessment not listed in this table are assumed to have a background value of 0.
2. Pollutants not modeled in 1996 national-scale assessment.
3. Battelle provided only a single national value.