Table 5-1
Method 8270C (GC/MS) Sample Quantitation Limits For Semivolatile Organics[a]

Compounds	Water (µg/L)	Sediment (µg/kg)
Phenol	5	170
bis (2-Chloroethyl) ether	5	170
2-Chlorophenol	5	170
1,3-Dichlorobenzene	5	170
1,4-Dichlorobenzene	5	170
1,2-Dichlorobenzene	5	170
2-Methylphenol	5	170
2,2'-oxybis(1-chloropropane)	5	170
4-Methylphenol	5	170
N-Nitroso-di-n-dipropylamine	5	170
Hexachloroethane	5	170
Nitrobenzene	5	170
Isophorone	5	170
2-Nitrophenol	5	170
2,4-Dimethylphenol	5	170
bis (2-Chloroethoxy) methane	5	170
2,4-Dichlorophenol	5	170
1,2,4-Trichlorobenzene	5	170
Naphthalene	5	170
4-Chloroaniline	5	170
Hexachlorobutadiene	5	170
4-Chloro-3-methylphenol	5	170
Hexachlorocyclopentadiene	15	500
2-Methylnaphthalene	5	170
2,4,6-Trichlorphenol	5	170
2,4,5-Trichlorophenol	5	170
2-Chloronaphthalene	5	170
2-Nitroaniline	5	170
Dimethylphthalate	5	170
Acenaphthylene	5	170
2,6-Dinitrotoluene	5	170
3-Nitroaniline	10	330
acenaphthene	5	170

Table 5-1 (cont'd)
Method 8270C (GC/MS) Sample Quantitation Limits For Semivolatile Organics[a]

Compounds	Water (µg/L)	Sediment (µg/kg)
2,4-Dinitrophenol	25	830
4-Nitrophenol	15	500
Dibenzofuran	5	170
2,4-Dinitrotoluene	5	170
Diethylphthalate	5	170
4-Chlorophenyl phenyl ether	5	170
Fluorene	5	170
4-Nitroaniline	10	330
4,6-Dinitro-2-methylphenol	15	500
N-nitrosodiphenylamine	5	170
4-Bromophenyl-phenyl ether	5	170
Hexachlorobenzene	5	170
Pentachlorophenol	15	500
Phenanthrene	5	170
Anthracene	5	170
Carbazole	5	170
Di-n-butylphthalate	5	170
Fluoranthene	5	170
Pyrene	5	170
Butylbenzylphthalate	5	170
3,3'-Dichlorobenzidine	10	330
Benz(a)anthracene	5	170
Chrysene	5	170
bis (2-Ethylhexyl) phthalate	10	330
Di-n-octylphthalate	5	170
Benzo(b)fluoranthene	5	170
Benzo(k)fluoranthene	5	170
Benzo(a)pyrene	5	170
Indeno (1,2,3-cd) pyrene	5	170
Dibenz(a,h)anthracene	5	170
Benzo(g,h,i)perylene	5	170

Notes:
a. Specific quantitation limits are highly matrix-dependent. The laboratory-demonstrated MDL must be equal to or lower than the quantitation limits listed in this table. Quantitation limits listed for sediment are based on wet weight.

GC/MS = Gas Chromatography/Mass Spectrometry
ug/kg = micrograms per kilogram
ug/L = micrograms per liter