

US EPA ARCHIVE DOCUMENT

APPENDIX I

ADDITIONAL CONTAMINANTS OF CONCERN AND REPORTING LIMITS

TABLE I-1. Additional chemical contaminants¹, recommended methods, and reporting limits routinely analyzed in sediments and tissue

<u>Contaminant</u>	<u>Analytical Method(s)</u>	<u>Sediment Reporting Limit (dry wt)</u>	<u>Tissue Reporting Limit (wet wt)</u>
Metals		(ppm)	(ppm)
Antimony	7040, 7041	2.5	0.1
Beryllium	7090, 7091	2.5	0.1
Selenium	7740, 7741	1.0	0.2
Silver	7760	0.2	0.1
Thallium	7840	0.2	0.1
Miscellaneous			
Cyanide	9010, 9012	2.0 ppm	1.0 ppm
Acid Volatile Sulfides	Allen et al., 1991	0.01 umol/g	N/A
Organotins	Rice et al., 1987 Uhler & Durrel, 1989	10 ppb	10 ppb
BASE/NEUTRALS			
Aromatic Hydrocarbons	8270 ²	20 ppb ²	20 ppb ²
Biphenyl			
Benzo(e)pyrene			
2-6-Dimethylnaphthalene			
1-Methylphenanthrene			
1-Methylnaphthalene			
2-Methylnaphthalene			
Perylene			
Phthalates	1625C, 3540, 82502	50 ppb ²	20 ppb ²
Dimethylphthalate			
Diethylphthalate			
Di-n-butylphthalate			
Butyl benzyl phthalate			
Bis(2-ethylhexyl) phthalate			
Di-octyl phthalate			

TABLE I-1 (continued). Additional chemical contaminants¹, recommended methods, and reporting limits routinely analyzed in sediments and tissue

<u>Contaminant</u>	<u>Analytical Method(s)</u>	<u>Sediment Reporting Limit (dry wt)</u>	<u>Tissue Reporting Limit (wet wt)</u>
Dioxins/dibenzofurans	8290, 1613	(pptr)	(pptr)
2,3,7,8-TCDD/-TCDF		1	0.5
1,2,3,7,8-PeCDD/-PeCDF		5	0.5
2,3,4,7,8-PeCDF		5	5
1,2,3,4,7,8-HxCDD/-HxCDF		5	5
1,2,3,6,7,8-HxCDD/-HxCDF		5	5
1,2,3,7,8,9-HxCDD/-HxCDF		5	5
2,3,4,6,7,8-HxCDF		5	5
1,2,3,4,6,7,8-HpCDD/-HpCDF		5	5
1,2,3,4,7,8,9-HpCDF		5	5
OCDD/OCDF		10	10
WHO PCB Congeners	1668 ²	0.25 ppb ²	0.5 ppb ²
PCB - 77			
PCB - 81			
PCB - 105			
PCB - 114			
PCB - 118			
PCB - 123			
PCB - 126			
PCB - 156			
PCB - 157			
PCB - 167			
PCB - 169			
PCB - 189			

1 Chemical constituents on this optional list would be stipulated by the CENAE in cooperation with other Federal resource agencies. Any additional chemicals can be found in EPA/USACE (1995) or other EPA standard guidance.

2 Includes all compounds listed.