

US EPA ARCHIVE DOCUMENT

Data to collect in short-term	EPA Freshwater Aquatic Life Criteria- ACUTE (ug/L) <i>bolded values are mg/L</i>	EPA Freshwater Aquatic Life Criteria- CHRONIC (ug/L) <i>bolded values are mg/L</i>	EPA Saltwater Aquatic Life Criteria- ACUTE (ug/L) <i>bolded values are mg/L</i>	EPA Saltwater Aquatic Life Criteria- CHRONIC (ug/L) <i>bolded values are mg/L</i>	EPA Human Health Criteria- Water+Org (ug/L) <i>bolded values are mg/L</i>	EPA Human Health Criteria- Org only (ug/L) <i>bolded values are mg/L</i>	EPA PAH Benchmark- Acute (ug/L) <i>bolded values are mg/L</i>	EPA PAH Benchmark- Chronic (ug/L) <i>bolded values are mg/L</i>	Alabama_Saltwater_Aquatic Life_Acute (ug/L) <i>bolded values are mg/L</i>	Alabama_Saltwater_Aquatic Life_Chronic (ug/L) <i>bolded values are mg/L</i>	Florida_Saltwater_Aquatic Life_Chronic (ug/L) <i>bolded values are mg/L</i>	Louisiana_Saltwater_Aquatic Life_Acute (ug/L) <i>bolded values are mg/L</i>	Louisiana_Saltwater_Aquatic Life_Chronic (ug/L) <i>bolded values are mg/L</i>	Mississippi_Saltwater_Aquatic Life_Acute (ug/L) <i>bolded values are mg/L</i>	Mississippi_Saltwater_Aquatic Life_Chronic (ug/L) <i>bolded values are mg/L</i>	Notes
0-Wylene																
1,2,4-Trimethylbenzene																
1,3,5-Trimethylbenzene																
1,3-Butadiene																
2,2,4-Trimethyl Pentane																
2-Methylnaphthalene	150.0928	72.16	150.0928	72.16			150.09	72.16								
4,4'-DDD (p,p'-DDD)																
4,4'-DDE (p,p'-DDE)																
4,4'-DDT (p,p'-DDT)								0.13	0.001	0.00059				0.13	0.001	FL: 0.001 ug/L maximum value
7,12-Dimethylbenz(a)-anthracene							0.7307	0.3513								
Acenaphthylene	638.352	306.9	638.352	306.9			638.35	306.9			0.031					FL: represents annual average of total of all PAHs
Acenaphthene	116.168	55.85	116.168	55.85			116.17	55.85								
Anthracene	43.1184	20.73	43.1184	20.73			43.12	20.73								
Arsenic	0.34	0.15	0.069	0.036	0.000018	0.00014			0.069	0.036	0.05	0.069	0.036	0.069	0.036	FL: Trivalent <= 36 ug/L
Benzene											71.28	2700	1350			
Benzo(b)fluoranthene 205-99-2	1.409	0.677	1.409	0.677			1.409	0.6774			0.031					FL: represents annual average of total of all PAHs
Benzo(g,h,i)perylene 191-24-2	0.913	0.439	0.913	0.439			0.9133	0.4391			0.031					FL: represents annual average of total of all PAHs
Benzo(k)fluoranthene 207-08-9	1.334	0.642	1.334	0.642			1.334	0.6415			0.031					FL: represents annual average of total of all PAHs
Benzo(a)anthracene	4.632	2.227	4.632	2.227			4.632	2.227			0.031					FL: represents annual average of total of all PAHs
Benzo(a)pyrene	1.991	0.957	1.991	0.957			1.991	0.9573			0.031					FL: represents annual average of total of all PAHs
Cadmium	0.002	0.00025	0.004	0.0088					0.04	0.0088	0.0088	0.04535	0.01	0.04	0.0088	
Carbon Disulfide																
Carbonyl Sulfide																
Chlorophyll																
Chromium									1.1	0.05	0.05	1.1	0.05	1.1	0.05	
Chromium (3+)	0.57	0.074										0.515	0.103			
Chromium (4+)	0.016	0.011	1.1	0.05												
Chrysene							4.247	2.042			0.031					FL: represents annual average of total of all PAHs
Copper			0.0048	0.0031	1.3				0.0048	0.0031	0.0037	0.00363	0.00363	0.0048	0.0031	
Cumene																
Cyclohexane																FL: represents annual average of total of all PAHs
Dibenz(a,h)anthracene	0.5876	0.2825	0.5876	0.2825			0.5876	0.2825			0.031					FL: represents annual average of total of all PAHs
Dibenzo(a,e)pyrene																
Dieldrin									0.71	0.0019				0.71	0.0019	
DIN																
DIP																
Dissolved oxygen																
Ethylbenzene												8760	4380			
Ethylene oxide																
Fluorene	81.744	39.3	81.744	39.3			81.744	39.3								
Fluroanthene	14.78672	7.109	14.78672	7.109			14.787	7.109								
Formaldehyde																
Gamma BHC (Lindane)														0.16		
Heptane																
Hexane																
Indeno(1,2,3-cd)pyrene 193-39-5	0.572	0.275	0.572	0.275			0.572	0.275			0.031					FL: represents annual average of total of all PAHs
Iron					0.3											
Lead	0.065	0.0025	0.21	0.0081	0.05	0.1			0.21	0.0081	0.0085	0.209	0.00808	0.21	0.0081	
Manganese						0.3										
Mercury	0.0014	0.00077	0.0018	0.00094	0.05	0.3			0.0021	0.000025	0.000025	0.002	0.000025			Human Health (Org. only) units are mg/kg
Methyl Cyclohexane																
m-Xylene																
Napthalene	402.48	193.5	402.48	193.5			402.48	193.5								
Nickel	0.47	0.052	0.074	0.0082	0.61	4.6			0.074	0.0082	0.0083	0.074	0.0082	0.167	0.0185	
Octane																
Oil and Grease																
Pentane																
Phenanthrene	39.7904	19.13	39.7904	19.13			39.79	19.13			0.031					FL: represents annual average of total of all PAHs
Propylene oxide																
p-Xylene																
Pyrene	21.0288	10.11	21.0288	10.11			21.03	10.11								
Salinity																
Selenium		0.005	0.29	0.071	0.17	4.2										
Semi-Volatile Organic Compounds																
Silver	0.0032		0.0019						0.0019		0.0023					
Thallium					0.00024	0.00047										
Toluene												950	475			
Total Chlordane									0.09	0.004	0.019			0.09	0.004	FL: 0.08 ug/L maximum
Total DDTs											0.00014					FL: 0.0019 ug/L maximum
Total PAHs																
Total PCBs									0.03		0.000045	0.001	0.00003	1	0.03	FL: 0.03 ug/L maximum
Total Petroleum Hydrocarbons-Diesel and Oil Range Organics									Aquatic Community FCV 29.5 ug/L ²							
Total Petroleum Hydrocarbons-Volatile Organic Compounds																
Zinc	0.12	0.12	0.09	0.081	7.4	26			0.09	0.081	0.086	0.09	0.081	0.09	0.081	