MONS 079409

Preliminary Data on Accumulation of Aroclor 1254 by Estuarine Organisms

Animal	Size	Average Temp. (°C)	Average Salinity (‰)	Duration of Test (Days)	Concentration of Aroclor in Test Water (ppb)	Conc. in Living Animals (ppm)	Conc. Factors*	Mortality (%)
Oyster (Crassostrea virginica)	Adult (2 - 3")	.9	28	14	5.0	26.0	5200	0 (100% decrease in rate shell growth at 100 ppb and 19% decrease at 1.0 ppb)
Shrimp (Penaeus duorarum)	Juvenile	19	31	20	5.0	33.0	6600	72
Fish (Spot) (Leiostomus xanthurus)	Juvenile (1-1/4")	9	28	21	5.0	120.0	24000	50
"	Juvenile (1-1/4")	14.7 17.0	26.8 26.1	19	5.0	46.0	9200	50 53
"	Juvenile (1-1/4")			28	1.0	17.0	17000	17

* Amount of Aroclor 1254 in animal (wet weight tissue) / Amount of Aroclor 1254 in water