

P.B. G. 6/2/68

Preliminary Data on Accumulation of Aroclor 1254 by Estuarine Organisms

Animal	Size	Average		Duration of Test	Concentration of Aroclor in Test Water	Conc. in Living Animals	Conc. Factors*	Mortality
		Temp.	Salinity					
		(°C)	(‰)	(Days)	(ppb)	(ppm)		(%)
Oyster (<u>Crassostrea virginica</u>)	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 (<u>Penaeus duorarum</u>)	Juvenile	19	31	20	5.0	33.0	6600	72
Fish (Spot) (<u>Leiostomus xanthurus</u>)	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 50
"	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

MONS 080257