Flag + Smith

Bureau of Sport Fisheries and Wildlife
Fish-Pesticide Research Laboratory
Route #1
Columbia, Mo.
March 11, 1970

Acute toxicity of several Arochlors (PCBs) to selected fishes and one invertebrate

Arochlor Number	Species	Temperature (C)	Water Quality	Toxicity in ug/liter	
				96 hr TL_{50}	95% C. I.
1221	Cutthroat Trout	8.9	1/	1,170	951-1,430
1232		8.9	1/	2,500	1,720-3,080
1242		8.9	1/	5,430	3,820-7,680
1248		8.9	1/	5,750	5,100-6,480
1254		8.9	1/	42,500	38,700-46,700
1260		8.9	1/	60,900	55,400-67,000
1262		8.9	1/	>50,000	
1268		8.9	1/	>50,000	
4465		8.9	1/	>50,000	
5442		8.9	1/	>50,000	
5460		8.9	1/	>50,000	
1248	Channel Catfish	18.3	2/	6,000	
1254		18.3	2/	12,000	
1248	Bluegills	18.3	2/	278	39-2,005
1254		18.3	2/	2,740	1,294-5,810
1248	Gammarus fasciatus	15.6	2/	52	
1254		15.6	2/	2,400	

1/ Total hardness, 164 ppm; alkalinity, 159 ppm; pH, 7.6

2/ Alkalinity, 35 ppm; pH, 7.1

MONS 080254