Monsanto

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Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166
Phone: (314) 694-1000

March 31, 1970

Moreno L. Keplinger, Ph.D.
Industrial Bio-Test Laboratories, Inc.
1810 Frontage Road
Northbrook, Illinois 60062

Dear Kep:

Enclosed is the table on fish toxicity data developed by the Fisheries Pesticide Research Laboratory in Columbia, Missouri. This is a facility of the U. S. Bureau of Sport Fisheries and Wildlife .

As I mentioned on the phone, I don't have at present the protocol for their studies. I thought, however, the data might be interesting.

Sincerely,

Elmer

Elmer P. Wheeler
Manager, Environmental Health

EPW:ju

c.c. Joseph C. Calandra, M. D.
Otis E. Fancher, Ph.D.

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I. B. T.

DEPOSITION EXHIBIT
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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

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WATER_PCB-00045674