(16)

GULF BREEZE ENVIRONMENTAL RESEARCH LABORATORY
GULF BREEZE, FLORIDA 32561

Bio-assay Screening Test

Chemical: Aroclor® 1242
Use: Plasticizer
Class: Chlorinated biphenyl
Grade: Technical

	Date d-m-y	96 hr. *EC_{50}	Average Temp. °C.	Average Salinity °/oo
Crustacea		PPM or mg/ℓ		
Brown shrimp (Penaeus aztecus)	7-8-72	0.009	32	28
Grass shrimp (Palaemonetes pugio)	21-8-72	0.016	31	29
Mollusk				
Eastern oyster (Crassostrea virginica)	18-9-72	0.032	31	30
Fish				
Pinfish (Lagodon rhomboides)	12-9-72	ne at 0.1	30	29

*Crustacea - 50% mortality or loss of equilibrium at end of 96 hours.
Mollusk - 50% decrease in shell deposition compared to controls after 96 hours exposu
Fish - 50% mortality at end of 96 hours.
ne = no effect at 1.0 ppm or highest concentration test. ir = irritated only.

Patrick R. Parrish
Copy verified by:

March 8, 1974
Date:

MONS 040296

GULF BREEZE ENVIRONMENTAL RESEARCH LABORATORY
GULF BREEZE, FLORIDA 32561

Bio-assay Screening Test

Date: August 1972

Chemical: Aroclor® 1242
Use: Plasticizer
Class: Chlorinated biphenyl
Grade: Technical

CRUSTACEA	Test Concentration ppm (mg/ℓ)	96 hrs. Paralysis or mortality (%)	Average Temp. °C.	Average Salinity °/oo
Brown shrimp (Penseus aztecus)	0.1	100	32	28
	0.01	70		
	0.001	0		
EC_{50} (ppm)		0.009		
Grass shrimp (Palaemonetes pugio)	0.1	100	31	29
	0.01	20		
	0.001	20		
EC50 (ppm)		0.016		

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MONS 040297

GULF BREEZE ENVIRONMENTAL RESEARCH LABORATORY
GULF BREEZE, FLORIDA 32561

Bio-assay Screening Test

Date: September 18, 1972

Chemical: Aroclor 1254
Use: Plasticizer
Class: Chlorinated biphenyl
Grade: Technical

MOLLUSKS	Test concentration ppm (mg/L)	Decrease in shell growth in 96 hours (%)	Average Temp. °C.	Average Salinity °/oo
Eastern oyster (Crassostrea virginica)	0.1	100	31	30
	0.01	0		
	0.001	3		

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MONS 040298

GULF BREEZE ENVIRONMENTAL RESEARCH LABORATORY
GULF BREEZE, FLORIDA 32561

Bio-assay Screening Test

Date: Sept. 12, 1972

Chemical: Aroclor® 1242
Use: Plasticizer
Class: Chlorinated biphenyl
Grade: Technical

FISH	Test Concentration ppm (mg /ℓ)	Mortality (%) 96 hrs.	Average Temp. °C.	Average Salinity °/oo
Pinfish (Lagodon rhomboides)	0.1	0	30	29
	0.01	0		
	0.001	0		
EC_{50} (ppm)		ne at 0.1		

Patrick R. Parrish
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MONS 040299