12

BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL ~~LABORATORY~~ FIELD STATION
GULF BREEZE, FLORIDA 32561

12

Bio-assay Screening Test

Chemical:	Aroclor 1260
Use:	Plasticizer for chlorinated rubber
Class:	Chlorinated biphenyl
Grade:	Technical

	Date d-m-y	*EC_{50} 24 hrs.	*EC_{50} 48 hrs.	Average Temp. °C.	Average Salinity ‰
		PPM or mg/ℓ			
Crustacea					
Pink shrimp (*Penaeus duorarum*)	14-5-69	ir at 0.1	10% at 0.1	23	28
Mollusks					
Eastern oyster (*Crassostrea virginica*)	12-5-69	.060		23	28
Fish					
Pinfish (*Lagodon rhomboides*)	13-5-69	ne at 0.1	ne at 0.1	23	29

*Crustacea - 50% mortality or loss of equilibrium at end of indicated period. Mollusk - 50% decrease in shell deposition compared to controls after 96 hours exposure. Fish - 50% mortality at end of indicated period.

ne = no effect at 1.0 ppm or highest concentration test; ir = irritated only.

MONS 088394

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Date: May 27, 1969

BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL FIELD STATION
GULF BREEZE, FLORIDA

Bio-assay Screening Test

Date: May 14, 1969

Chemical: Aroclor 1260
Use: Plasticizer for chlorinated rubber
Class: Chlorinated biphenyl
Grade: Technical

CRUSTACEA	Test concentration ppm (mg./l.)	Paralysis or mortality - % 24 hrs.	48 hrs.	Average Temp. °C.	Salinity ‰
Pink shrimp (Penaeus duorarum)	.1	ir	10	23	28
	.01	0	0		
	.001	0	0		
EC_{50} (ppm)		ir at 0.1	10% at 0.1		

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Date: May 27, 1969

MONS 088395

BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL LABORATORY FIELD STATION
GULF BREEZE, FLORIDA 32561

Bio-assay Screening Test

Date: May 12, 1969

Chemical: Aroclor 1260
Use: Plasticizer for chlorinated rubber
Class: Chlorinated biphenyl
Grade: Technical

MOLLUSKS	Test concentration ppm (mg./l.)	Decrease in shell growth in 96 hours %	Number of weeks to recover	EC_{50} ppm	Average Temp. °C.	Average Salinity ‰
Eastern oyster (Crassostrea virginica)	.1	52	2	.060	23	28
	.01	44				
	.001	8				

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MONS 088396

BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL FIELD STATION LABORATORY
GULF BREEZE, FLORIDA

Bio-assay Screening Test

Date: May 13, 1969

Chemical: Aroclor 1260
Use: Plasticizer for chlorinated rubber
Class: Chlorinated biphenyl
Grade: Technical

FISH	Test concentration ppm (mg./l.)	Mortality - % 24 hrs.	48 hrs.	Average Temp. °C.	Salinity ‰
Pinfish (Lagodon rhomboides)	.1	0	0		23 29
	.01	0	0		
	.001	0	0		
EC_{50} (ppm)		ne at 0.1	ne at 0.1		

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Date: May 27, 1969

MONS 088397