GULF BREEZE, FLORIDA 32561

(12)

Bio-assay Screening Test

Chemical: Aroclor 1249
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 ‰
Crustacea		PPM or mg/l			
Pink shrimp (Penaeus duorarum)	5-5-69	0.032	0.032	22	31
Molluska					
Eastern oyster (Crassostrea virginica)	14-4-69	.017		20	29
Fish					
Pinfish (Lagodon rhomboides)	17-4-69	ir at 0.1	10% at 0.1	21	27

*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.

[illegible] effect at 1.0 ppm or highest concentration test; ir = irritated only.

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Date:

MONS 034382

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

Bio-assay Screening Test

Date: May 5, 1969

Chemical: Aroclor 1248
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	100	100	22	31
	.01	0 (ir)	0 (ir)		
	.001	0	0		
EC_{50} (ppm)		0.032	0.032		

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MONS 034383

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

Bio-assay Screening Test

Date: April 17, 1969

Chemical: Aroclor 1248
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 (ir)	10	21	27
	.01	0	10		
	.001	0	0		
EC_{50} (ppm)		ir at 0.1	10% at 0.1		

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Date: May 28, 1969

MONS 034384

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

Bio-assay Screening Test

Date: April 14, 1969

Chemical: Aroclor 1248
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	100 *	2	.017	20	29
	.01	36				
	.001	18				

* Fifty percent of the oysters dead after a 96-hour exposure to 0.1 ppm Aroclor 1248.

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Date: May 29, 1969

MONS 034385