

US EPA ARCHIVE DOCUMENT

103.1.4 Aquatic Invertebrates

DATA REVIEW NUMBER: ES M1

TEST: Acute 96 hour LC₅₀ Marine Invertebrate

SPECIES: Pink Shrimp (Penaeus duorarum)

RESULTS: 96 hour LC₅₀ = 0.508 ppb (0.347 - 0.756 ppb) 95% C.L.

Statistical analysis of raw data by Finney Probit produced values similiar to test lab. Chi² for df2 = 5.99 > calculated Chi² = .004.

8.370	M	0.513	LD50	0.731	LD90	0.361	LD10
7.423	YINT	0.426	LOCL	0.550	LOCL	0.268	LOCL
1.317	LW M	0.619	UPCL	0.970	UPCL	0.486	UPCL
0.004	CHI ²						

CHEMICAL: FMC 33297 3.2 EC (40.67% a.i.)

TITLE: Acute Toxicity of FMC 33297 3.2 EC to Eastern Oyster (Crossostrea virginica), Pink Shrimp (Penaeus duorarum) and Fiddler Crab (Uca pugilator)

ACCESSION NO: 096699

STUDY DATE: December 1975

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Bionomics E.G. & G. Inc.
Pensacola, Florida

REGISTRANT: FMC Corp.

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: N.A.

VALIDATOR: Tom O'Brien - 1/13/78

Finney Probit

FMC 33297 3,2 EC

40.67 % A.I.

0.407
2.
10.

Bionomics E666

Dec 1975

Pink Shrimp

0.732
5.
10.

O'Brien 1/12/75

1.3
10.
10.

2.28
10.
10.

8.370 M
7.423 YINT
1.317 LM M
0.004 CHI²

0.513 LD50
0.426 LDCL
0.619 UPCL

0.361 LD10
0.268 LDCL
0.486 UPCL

0.731 LD90
0.550 LDCL
0.970 UPCL