

US EPA ARCHIVE DOCUMENT

103.1.4 Aquatic Invertebrates

DATA REVIEW NUMBER: ES L1

TEST: Acute 96 hour LC<sub>50</sub> marine invertebrate

SPECIES: Pink Shrimp (Penaeus duorarum)

RESULTS: 96 hour LC<sub>50</sub> = 354 ppb (0.287 - .440 ppb)  
95% C.L.

Statistical Analysis by Finney Probit  
Chi<sup>2</sup> (3df = 7.81):

9.191	M	0.391	LD50	0.276	LD10	0.525	LD90
8.856	YINT	0.321	LOCL	0.215	LOCL	0.417	LOCL
1.285	LW M	0.451	UPCL	0.355	UPCL	0.660	UPCL
0.095	CHI <sup>2</sup>						

CHEMICAL: FMC 33297 Technical 95.7% a.i.

TITLE: Acute Toxicity of FMC 33297 Technical  
(95.7%) to Eastern Oyster (Crassostrea  
virginica), Pink Shrimp (Penaeus duorarum  
and Fiddler Crabs (Uca pugilator)

ACCESSION NO: 096699

STUDY DATE: December 1975

RESEARCHER: Tom Heitmuller  
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Marine Research Lab.  
Pensacola, Florida

REGISTRANT: FMC Corp.

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: N.A.

VALIDATOR: Tom O'Brien - 1/12/78

Pink shrimp  
 FMC 33297 Test  
 95.7% A.I.

0.172

EG-6 Bionomics  
 Dec 1975

C.  
 1C.

Ferney Arobot

0.306

E.  
 1C.

O'Brien  
 1/11/78

0.526

S.  
 1C.

0.718

1C.  
 1C.

0.957

1C.  
 1C.

$\chi^2_{3df} = 7.81$

9.151 M  
 8.856 YINT  
 1.285 LW M  
 0.055 CH12

0.361 LD50  
 0.321 LDCL  
 0.451 UPCL

0.276 LD10  
 0.215 LDCL  
 0.355 UPCL

0.525 LD90  
 0.417 LDCL  
 0.660 UPCL