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103.1.4 Aquatic Invertebrates

DATA REVIEW NUMBER: ES L1

TEST: Acute 96 hour LC₅₀ marine invertebrateSPECIES: Pink Shrimp (Penaeus duorarum)RESULTS: 96 hour LC₅₀ = 354 ppb (0.287 - .440 ppb)
95% C.L.Statistical Analysis by Finney Probit
Chi² (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 ²						

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
Bionomics - E.G.&G. Inc.
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.
 EG-6 Bionomics
 Dec 1975
 Fenney Arobit
 O'Brien.
 1/11/78

0.172

C.
1C.

0.306

2.
1C.

0.526

5.
1C.

0.718

1C.
1C.

0.957

1C.
1C.

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

9.151

8.856

1.285

0.055

M
 YINT
 LW M
 CH12

0.381

0.321

0.451

LD50
 LDCL
 UPCL

0.276

0.215

0.355

LD10
 LDCL
 UPCL

0.525

0.417

0.660

LD90
 LDCL
 UPCL