

US EPA ARCHIVE DOCUMENT

Duplicate 1-12-78

103.1.4 Aquatic Invertebrates

DATA REVIEW NUMBER: ES N1

TEST: Acute 96 hour Marine LC₅₀

SPECIES: Fiddler Crab (*Uca pugilator*)

RESULTS: 96 hour LC₅₀ = 2.39 ppb (1.82 - 3.25 ppb)
95% C.L.

Statistical analysis by Finney Probit compared favorably. The Chi² for 3df = 7.81.

5.915	M	2.478	LD50	1.5C5	LD10	4.082	LD90
2.669	YINT	1.949	LOCL	1.061	LOCL	2.828	LOCL
1.476	LW M	3.151	UPCL	2.133	UPCL	5.892	UPCL
0.179	CHI ²						

CHEMICAL: FMC 33297 Technical 95.7% a.i.

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

ACCESSION NO: 096699

STUDY DATE: December 1975

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REGISTRANT: FMC Corp.

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: N.A.

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

✓
Tom

Fiddler Crab
 FMC 33297 Tank
 95.7% R.I.
 EG & G Bionomics
 Dec 1975
 Fenney Probit
 O'Brien 1/11/78

0.957
 C.
 1C.

1.72
 E.
 1C.

3.54
 E.
 1C.

7.18
 1C.
 1C.

11.5
 1C.
 1C.

$chi^2 = 3df = 7.81$

5.915 M
 2.669 YINT
 1.476 LW M
 0.179 CHI²

2.478 LD50
 1.949 LDCL
 3.151 UPCL

1.505 LD10
 1.061 LDCL
 2.133 UPCL

4.062 LD90
 2.828 LDCL
 5.852 UPCL