

103.1.4 Aquatic Invertebrate

DATA REVIEW NUMBER: ES H2

TEST: Aquatic Invertebrate Acute Toxicity

SPECIES: Water Flea (Daphnia Magna)

RESULTS: 48 hour $LC_{50} = .32$ ppb (0.24-0.44 ppb) 95% C.L.

No discernible effect level 0.10 ppb.

Statistical analysis by Finney Probit gave the following results. χ^2 for 8df = 15.5.

3.967	M	0.376	LD50	0.792	LD90	0.179	LD10
6.685	YINT	0.319	LOCL	0.602	LOCL	0.134	LOCL
1.787	LW M	0.443	UPCL	1.040	UPCL	0.238	UPCL
9.744	χ^2						

CHEMICAL: FMC 33297 Technical (% A.I.?)

TITLE: Acute Toxicity of FMC 33297 Technical to Daphnia Magna.

ACCESSION NO: 096699

STUDY DATE: October, 1976

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REGISTRANT: FMC Corporation

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: NA

VALIDATOR: Tom O'Brien 1/11/78

Finney Probit
 FMC 33 297 Tech
 Daphnia Magna
 EG&G Bionomics
 Oct 1976

O'Brien
 1/13/78

0.1
 C.
 1E.

0.16
 C.
 1E.

0.24
 C.
 1E.

0.32
 4.
 1E.

0.42
 E.
 1E.

0.56
 S.
 1E.

0.75
 1E.
 1E.

1.
 1E.
 1E.

$$8 df = \chi^2 = 15.5$$

3.967	M
6.685	YINT
1.787	LW M
9.744	CHI ²

0.376	LD50
0.319	LDCL
0.443	UPCL

0.179	LD10
0.134	LDCL
0.238	UPCL

0.792	LD90
0.602	LDCL
1.040	UPCL