

US EPA ARCHIVE DOCUMENT

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103.1.4 Aquatic Invertebrate

DATA REVIEW NUMBER: ES H2

TEST: Aquatic Invertebrate Acute Toxicity

SPECIES: Water Flea (Daphnia Magna)RESULTS: 48 hour LC<sub>50</sub> = .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. Chi<sup>2</sup> for 8df = 15.5.

3.967	M						
6.685	YINT	0.376	LD50	0.792	LD90	0.179	LD10
1.787	LW M	0.319	LOCL	0.602	LOCL	0.134	LOCL
9.744	CHI <sup>2</sup>	0.443	UPCL	1.040	UPCL	0.238	UPCL

CHEMICAL: FMC 33297 Technical (% A.1.?)

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

0.  
 15.

0.16

0.  
 15.

0.24

0.  
 15.

0.32

4.  
 15.

0.42

8.  
 15.

0.56

0.  
 15.

0.75

15.  
 15.

1.  
 15.  
 15.

$$8 \text{ df} = \text{chi}^2 = 15.5$$

3.987

M

6.685

YINT

1.787

LW M

9.744

CHI<sup>2</sup>

0.376

LD50

0.319

LOCL

0.443

UPCL

0.179

LD10

0.134

LOCL

0.238

UPCL

0.792

LD90

0.602

LOCL

1.040

UPCL