

US EPA ARCHIVE DOCUMENT

1/10/78

103.1.3 Fish

DATA REVIEW NUMBER: ES F1

TEST: Fish Acute 96 hour LC₅₀ (Warmwater)

SPECIES: Bluegill Sunfish (Lepomis macrochirus)

RESULTS: 96 hour LC₅₀ = 6.1 ppb (5.1-7.3 ppb) 95% C.L.

*Sum
in data base*

No discernible effect level = 3.2 ppb

Statistical analysis of data by Finney Probit gave the following results - The Chi² value indicates the data are not heterogenous and compare identically with the researchers results. Chi² df = 5 = 11.1 > 3.914.

6.255	M						
18.805	YINT	0.006	LD50	0.010	LD90	0.004	LD10
1.445	LW M	0.005	LOCL	0.008	LOCL	0.003	LOCL
3.914	CHI ²	0.007	UPCL	0.012	UPCL	0.005	UPCL

CHEMICAL: FMC - 33297 Technical (100% A.1.)

TITLE: Acute Toxicity of FMC - 33297 Technical to Bluegill (Lepomis Macrochirus) and Rainbow Trout (Salmo gairdneri)

ACCESSION NO: 096699

STUDY DATE: November, 1974

RESEARCHER: Bentley, Robert E.
Bionomics E. G. & G. Environmental Consultants
Wareham, Massachusetts

REGISTRANT: FMC Corporation

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: NA

VALIDATOR: Tom O'Brien 1/10/78

BLUEGILL Sunfish
Acetone Solvent

0.0032

C.

EG+G Bionomics

1C.

FMC 33297 (100%)

0.0042

NOV 1974

E.

1C.

Furney Probit

0.0036

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E.

1C.

O'Brien

0.0065

4.

1C.

0.0075

E.

1C.

0.0067

7.

1C.

0.012

1C.

1C.

χ^2 5 df = 11.1

6.255

M

18.805

YINT

1.445

LW M

3.914

CHI²

0.006

LD50

0.005

LDCL

0.007

UPCL

0.004

LD10

0.003

LDCL

0.005

UPCL

0.010

LD90

0.008

LDCL

0.012

UPCL