

US EPA ARCHIVE DOCUMENT

103.1.3 Fish

DATA REVIEW NUMBER: ES II

TEST: Fish Acute 96 hour LC₅₀ (Warmwater)

SPECIES: Bluegill Sunfish (Lepomis macrochirus)

RESULTS: 96 hour LC₅₀ = 33.4 ppb (26.6 - 41.5 ppb) 95% C.L.

No discernible effect level = 20 ppb.

Statistical analysis of data by Finney probit gave the following results
Chi² = 5.119 < Chi² 3df (7.81) indicates the data are not heterogenous.

5.861	M	32.627	LD50	19.716	LD10	53.991	LD90
-3.871	YINT	27.668	LOCL	14.598	LOCL	41.175	LOCL
1.481	LW M	38.475	UPCL	26.629	UPCL	70.796	UPCL
5.119	CHI ²						

CHEMICAL: FMC 33297 3.2 EC (38.4% a.i.)

TITLE: Acute Toxicity of FMC 33297 3.2 EC to Bluegill (Lepomis macrochirus) and Rainbow Trout (Salmo gairdneri).

ACCESSION NO: 096699

STUDY DATE: December 1975

RESEARCHER: Bentley, Robert E.
E.G.&G. Bionomics Aquatic Toxicology Laboratory
Wareham, Mass.

REGISTRANT: FMC Corp.

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: N.A.

VALIDATOR: Thomas O'Brien - 1/10/78

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Fenney Product
 FMC 33287 3.2 EC
 38.4% A.I.
 NO SOLVENT
 Bluegill Sunfish
 EG+G Biosonics
 Dec 1975
 O'Brien
 1/10/78

20.
 0.
 10.

26.
 5.
 10.

37.
 6.
 10.

47.
 7.
 10.

63.
 10.
 10.

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

5.861	M
-3.871	YINT
1.481	LW M
5.119	CHI ²

32.627	LD50
27.668	LDCL
38.475	UPCL

19.716	LD10
14.598	LDCL
26.629	UPCL

53.991	LD90
41.175	LDCL
70.756	UPCL

$\frac{2}{2}$