

1/16/78

103.1.3 Fish

DATA REVIEW NUMBER: ES F2

TEST: Fish Acute 96 hour LC₅₀ (Warmwater)

SPECIES: Bluegill Sunfish (Lepomis macrochirus)

RESULTS: 24 hour LC₅₀ = 5.64 ppb (4.52-7.03 ppb) 95% C.L.

48 hour LC₅₀ = 3.36 (2.78-4.05 ppb) 95% C.L.

96 hour LC₅₀ = 2.52 (1.88-3.36 ppb) 95% C.L.

96 hour No. Effect Level is < 1.00 ppb - Analysis by Spearman
Karber^{method} Below is analysis of data by Finney Probit by this
section which gave comparable results for 96 hour LC₅₀.
Chi² (3df) = 7.81

3.543	M	2.487	LD50	1.059	LD10	5.608	LD90
3.629	YINT	1.822	LOCL	0.639	LOCL	3.553	LOCL
4.800	CHI ²	3.261	UPCL	1.755	UPCL	8.850	UPCL

CHEMICAL: FMC 33297 Technical (95.7% A.I.)

TITLE: Acute Toxicity of FMC 33297 Act 29.11, .12 to Bluegill
Sunfish (Lepomis macrochirus) Rafinesque and the Water Flea
(Daphnia magna) Straus.

ACCESSION NO: 096699

STUDY DATE: June 21, 1976

RESEARCHER: Aquatic Environmental Sciences
Union Carbide Corporation
Tarrytown, New York

REGISTRANT: FMC Corporation

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: NA

VALIDATOR: Thomas O'Brien 1/16/78

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96 hr LC50
 Bluegill Sunfish
 Fmc 33287 Act 29, 11, 12
 (% A.I. ?)

Aquatic ENV Science
 Union Carbide Corp
 June 21, 1976

O'Brien 1/16/78

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Chi 2 = 7.81
 Finner Probit

3.543	M
3.629	YINT
1.915	LW M
4.800	CHI ²

2.437	LD50
1.822	LDCL
3.261	UPCL

1.059	LD10
0.639	LDCL
1.755	UPCL

5.608	LD90
3.553	LDCL
8.850	UPCL