

114501

9000 data 5
 9001 data 3.20,1.80,1.00,0.56,0.32
 9002 data 10,10,10,10,10
 9003 data 8,1,0,0,0
 run

*Fiddler crab.
 Larvin 99% a.i.
 (Thiodicarb)*

80/11/14. 10.00.51.
 BASIC PROGRAM S79LC50

```
*****
CONC.      NUMBER      NUMBER      PERCENT      BINOMIAL
            EXPOSED      DEAD        DEAD        PROB.(PERCENT)
3.2         10          8          80.         5.46875
1.8         10          1          10.         1.07422
1           10          0           0          9.76563E-2
.56         10          0           0          9.76563E-2
.32         10          0           0          9.76563E-2
*****
```

THE BINOMIAL TEST SHOWS THAT 1.8 AND +INFINITY CAN BE
 USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT
 CONFIDENCE LIMITS SINCE THE ACTUAL CONFIDENCE LEVEL
 ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS 2.52255

```
*****
RESULTS CALCULATED USING THE MOVING AVERAGE METHOD
PAN      G      LC50      95 PERCENT CONFIDENCE LIMITS
1        .370773  2.52255  2.07215  3.25647
*****
```

```
*****
RESULTS CALCULATED USING THE PROBIT METHOD
TERATIONS G      H      GOODNESS OF FIT PROBABILITY
7         .402493  1      .999961
*****
```

LOPE = 8.52851
 5 PERCENT CONFIDENCE LIMITS = 3.11782 AND 13.9392

LC50 = 2.54815
 5 PERCENT CONFIDENCE LIMITS = 2.02611 AND 3.25826

1. 114501
 9000 data 5
 9001 data 0.1,0.056,0.032,0.018,0.010
 9002 data 10,10,10,10,10
 9003 data 9,3,2,0,0
 run

grass shrimp
LARVIN 99% a.i (Thiodicarb)

80/11/14. 10.03.43.
 BASIC PROGRAM S79LC50

```
*****
CONC.      NUMBER      NUMBER      PERCENT      BINOMIAL
           EXPOSED      DEAD        DEAD        PROB.(PERCENT)
.1         10          9          90.         1.07422
.056       10          3          30.         17.1875
.032       10          2          20.         5.46875
.018       10          0          0           9.76563E-2
.01        10          0          0           9.76563E-2
```

THE BINOMIAL TEST SHOWS THAT .018 AND .1 CAN BE
 USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT
 CONFIDENCE LIMITS SINCE THE ACTUAL CONFIDENCE LEVEL
 ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS 6.71129E-2

```
-----RESULTS CALCULATED USING THE MOVING AVERAGE METHOD
SPAN      G      LC50      95 PERCENT CONFIDENCE LIMITS
2         .370773  6.23511E-2  4.47739E-2  9.79631E-2
```

```
-----RESULTS CALCULATED USING THE PROBIT METHOD
ITERATIONS G      H      GOODNESS OF FIT PROBABILITY
6         .279636  1      .566682
```

SLOPE = 4.4735
 95 PERCENT CONFIDENCE LIMITS = 2.10789 AND 6.83911

LC50 = 5.96247E-2
 95 PERCENT CONFIDENCE LIMITS = 4.51542E-2 AND 8.43596E-2

SRU 1.412 UNTS.

RUN COMPLETE.

2

9000 data 5
 9001 data 1.80,1.0,0.56,0.32,0.18
 9002 data 10,10,10,10,10
 9003 data 10,6,0,0,0
 run

80/11/13. 10.11.52.
 BASIC PROGRAM S79LC50

*sheephead virus
 LARVIN 990/a.i.
 (Thiodicarb)*

```
*****
CONC.      NUMBER      NUMBER      PERCENT      BINOMIAL
            EXPOSED      DEAD        DEAD        PROB. (PERCENT)
1.8         10          10          100          9.76563E-2
1           10          6           60.          37.6953
.56         10          0           0            9.76563E-2
.32         10          0           0            9.76563E-2
.18         10          0           0            9.76563E-2
*****
```

THE BINOMIAL TEST SHOWS THAT .56 AND 1.8 CAN BE
 USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT
 CONFIDENCE LIMITS SINCE THE ACTUAL CONFIDENCE LEVEL
 ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS .929115

WHEN THERE ARE LESS THAN TWO CONCENTRATIONS AT WHICH THE PERCENT
 DEAD IS BETWEEN 0 AND 100, NEITHER THE MOVING AVERAGE NOR THE
 PROBIT METHOD CAN GIVE ANY STATISTICALLY SOUND RESULTS.

114501

9000 data 5
 9001 data 5.60,3.20,1.80,1.0,0.56
 9002 data 10,10,10,10,10
 9003 data 8,3,3,2,0
 run

80/11/13. 10.21.50.
 BASIC PROGRAM S79LC50

*Coho Salmon-LARVIN 99% a.i.
 (Thiodicarb)*

```
*****
CONC.      NUMBER      NUMBER      PERCENT      BINOMIAL
            EXPOSED      DEAD        DEAD        PROB.(PERCENT)
5.6         10          8           80.         5.46875
3.2         10          3           30.         17.1875
1.8         10          3           30.         17.1875
1           10          2           20.         5.46875
.56         10          0           0           9.76563E-2
*****
```

THE BINOMIAL TEST SHOWS THAT .56 AND +INFINITY CAN BE USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT CONFIDENCE LIMITS SINCE THE ACTUAL CONFIDENCE LEVEL ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS 3.98432

-----RESULTS CALCULATED USING THE MOVING AVERAGE METHOD

SPAN	G	LC50	95 PERCENT CONFIDENCE LIMITS	
2	.802549	3.74368	2.10283	24.6424

-----RESULTS CALCULATED USING THE PROBIT METHOD

ITERATIONS	G	H	GOODNESS OF FIT PROBABILITY
5	.317451	1	.384905

SLOPE = 2.35018
 95 PERCENT CONFIDENCE LIMITS = 1.02602 AND 3.67434

LC50 = 3.29885
 95 PERCENT CONFIDENCE LIMITS = 2.20845 AND 6.80881

4

114501

9000 data 5
 9001 data 5.60,3.20,1.80,1.0,0.56
 9002 data 10,10,10,10,10
 9003 data 7,1,1,0,0
 run

80/11/14. 09.47.49.
 BASIC PROGRAM S79LC50

LARVIN 99% a.i.
 BASIN TROUT
 (This is carb)

```
*****
CONC.      NUMBER      NUMBER      PERCENT      BINOMIAL
            EXPOSED     DEAD        DEAD        PROB.(PERCENT)
5.6         10          7           70.         17.1875
3.2         10          1           10.         1.07422
1.8         10          1           10.         1.07422
1           10          0            0           9.76563E-2
.56         10          0            0           9.76563E-2
*****
```

THE BINOMIAL TEST SHOWS THAT 3.2 AND +INFINITY CAN BE
 USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT
 CONFIDENCE LIMITS SINCE THE ACTUAL CONFIDENCE LEVEL
 ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS 4.70229

```
-----RESULTS CALCULATED USING THE MOVING AVERAGE METHOD
SPAN      G      LC50      95 PERCENT CONFIDENCE LIMITS
1          .509802    4.70229    3.79441    7.2511
```

```
-----RESULTS CALCULATED USING THE PROBIT METHOD
ITERATIONS G      H      GOODNESS OF FIT PROBABILITY
7          .442603    1      .518391
```

SLOPE = 4.18571
 95 PERCENT CONFIDENCE LIMITS = 1.40102 AND 6.9704

LC50 = 4.69135
 95 PERCENT CONFIDENCE LIMITS = 3.49554 AND 9.15432

114501

9000 data 5
 9001 data 3.20,1.80,1.0,0.56,0.32
 9002 data 10,10,10,10,10
 9003 data 6,3,0,0,0
 run

80/11/13. 10.04.26.
 BASIC PROGRAM S79LC50

*Rainbow Trout. LARVIN 99% a.i.
 (Thiodicarb)*

```
*****
CONC.      NUMBER      NUMBER      PERCENT      BINOMIAL
            EXPOSED     DEAD        DEAD        PROB.(PERCENT)
3.2         10          6           60.         37.6953
1.8         10          3           30.         17.1875
1           10          0            0          9.76563E-2
.56         10          0            0          9.76563E-2
.32         10          0            0          9.76563E-2
*****
```

THIS DATA SET DOES NOT MEET THE CRITERIA ESTABLISHED BY THE
 COMMITTEE ON METHODS FOR TOXICITY TESTS WITH AQUATIC ORGANISMS
 BECAUSE NO PERCENT DEAD IS GREATER THAN 65 PERCENT.

THE BINOMIAL TEST SHOWS THAT 1 AND +INFINITY CAN BE
 USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT
 CONFIDENCE LIMITS SINCE THE ACTUAL CONFIDENCE LEVEL
 ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS 2.64771

```
*****RESULTS CALCULATED USING THE MOVING AVERAGE METHOD
SPAN      G      LC50      95 PERCENT CONFIDENCE LIMITS
1          2.35283  2.64771  0      +INFINITY
```

```
*****RESULTS CALCULATED USING THE PROBIT METHOD
ITERATIONS  G      H      GOODNESS OF FIT PROBABILITY
7           .447311  1      .864648
```

SLOPE = 4.56354
 95 PERCENT CONFIDENCE LIMITS = 1.51138 AND 7.61569

LC50 = 2.65659
 95 PERCENT CONFIDENCE LIMITS = 2.00089 AND 4.82677

6

CHEMICAL NAME : Dimethyl-N-N'-[thiobis[(methylimino)
carbonyloxy]]bis-ethonimidothipate

ALTERNATE NAME : Larvin; UC 51762

CAS NO :

PRINCIPAL USE : Insecticide

SAMPLE DESCRIPTION : Technical 99%

TEST ORGANISM		: TEST CONDITIONS					: RESULTS		:
COMMON NAME	: LIFE	:TMP:	SAL:	S	:DUR:	TEST	: CONC	: M	:
SCIENTIFIC NAME	: STAGE	: C	:ppt:	FT	: h	:	: (95% CI)	: N	:
Alga	:	:20	:30	: S	:96	:EC50	:450 ug/l	: N	:
Skeletonema costatum	:	:	:	:	:	: G	: (410-510)	:	:
Mysid	: J 1 d	:25	:20	: S	:96	:LC50	:260 ug/l	: N	:
Mysidopsis bahia	:	:	:	:	:	:	: (230-300)	:	:
Sheepshead minnow	: J 28 d	:25	:20	: S	:96	:LC50	:>1,000 ug/l	: N	:
Cyprinodon variegatus	:	:	:	:	:	:	:	:	:

MAYER

34
36
NUTALL 151
SAR 106

FLORIDANUS 136

PAULSTRIS 153

267 dwt

4x 170

680

1 x .25 x 122 PPM

= 30.5 PPM

195

7