

US EPA ARCHIVE DOCUMENT

106401

8-14-78



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

BIOLOGICAL REPORT OF ANALYSIS

1. SAMPLE NO. MB 466
2. DATE COLLECTED N/A
3. REGION N/A

SAMPLE IDENTIFICATION

4. LOT OR CODE NO(S) N/A
5. EPA REGISTRATION NO. 241-250-AA
6. ESTABLISHMENT NO. N/A
7. PRODUCT NAME Avenge
8. PRODUCER NAME AND ADDRESS N/A
9. DEALER NAME AND ADDRESS N/A

10. PHYSICAL FORM EMULS. CONC. PRESS. SPRAY DUST GRANULAR
WET. POWDER AEROSOL BAIT X OTHER liquid

11. INGREDIENTS Avenge 95%

TEST

12. TYPE OF TEST Static jar Test #2346
13. TEST ORGANISM(S) Bluegill (Lepomis macrochirus) Average weight: .974 gm. Source: Harrison Lake National Fish Hatchery
14. METHOD NO. TSD 1.206
15. DURATION 96 hr
16. CONCENTRATION 6.5 - 140 ppm
17. DILUENT None

18. SUMMARY All information in this report is based on total formulation.
24-96 hr LC10 is 33.0 ppm (95% confidence limits of 43.76 to 24.89 ppm)
24-96 hr LC50 is 46.5 ppm (95% confidence limits of 58.52 to 36.95 ppm)

Table with 11 columns: Time, slope, chi 2, and Concentration in ppm (140, 100, 65, 42, 24, 14, 10, 6.5, C). Rows for 24 hr, 48 hr, and 96 hr.

19. RESULTS One mortality curve fitted all three time periods with low contributions to chi. Since there was no mortality at 24 ppm, I do not feel the mortality at 14, 10 & 6.5 ppm at 96 hours is due to the toxicant. Consequently, they were not included in the calculations. Unfortunately, no D.O. readings were taken.

20. TESTER'S INITIALS [Signature]
21. SIGNATURE OF LAB SUPERVISOR [Signature]
22. LABORATORY Animal Biology
23. DATE 8/14/78