

STUDY TITLE

PARA-DICHLOROBENZENE
ACUTE TOXICITY TO DAPHNIA MAGNA
UNDER FLOW-THROUGH CONDITIONS

RECEIVED AUG 1 1989

DATA REQUIREMENT

GUIDELINE 72-2

AUTHORS

G. Scott Ward
Bruce A. Rabe

EXPERIMENTAL START DATE

June 27, 1989

EXPERIMENTAL COMPLETION DATE

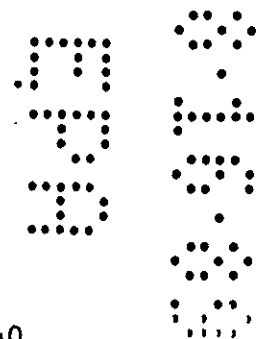
July 1, 1989

REPORT DATE

July 7, 1989

PERFORMING LABORATORY

HUNTER/ESE
P.O. Box 1703
Gainesville, Florida 32602-1703



LABORATORY PROJECT ID

Hunter/ESE No. 390-3003-000-0200-3140

SUMMARY

Sponsor: CMA, Chlorobenzenes Program
2501 M. Street, NW
Washington, D.C. 20037

Study Director: G. Scott Ward, 904-332-3318

Location of Study: Hunter/ESE, Inc.; Gainesville, Florida

Location of Raw Data and Final Report: Hunter/ESE, Gainesville, Florida

Test Substance: Para-dichlorobenzene; CAS No. 106-46-7; Lot No. 12-22-8RB; >99.5 percent purity of weight

Subject: 96-hour LC50 = 1.35 mg/L;
Daphnia magna

Measured (Nominal) <0.28 (control), <0.28 (solvent control), 0.35 (0.65), 0.52 (1.08), 0.79 (1.8), 1.35 (3.0), 1.98 (5.0) mg/L

Test Dates: Definitive: June 27 to July 1, 1989

Length of Study: 96 hours

Results: 96-hour EC50 was 1.35 mg/L with 95 percent confidence limits of 0.98 and 1.98 mg/L

Test Species: Daphnia magna

Source of Organisms: Hunter/ESE, Inc., Gainesville, FL

Physical Condition at the Initiation of the Study: Daphnids appeared to be in good physical condition at test initiation.

Dilution Water: Natural well water with a hardness and alkalinity of 260 to 263 and 241 to 250 mg/L as CaCO₃, respectively; test temperature range of 19° to 22°C.