on 100/120 mesh HMDS-treated Chromosorb H and (II) 65 parts 8% QF-1 and 35 parts 4% SF-96 on 100/120 mesh Chromosorb W. Col. temp. was 190°C. No retention data.
GE 89-88-61b-35c

No. 75-0064 0064

THE FINDING OF CHLORINATED DIBENZOFURANS IN A JAPANESE POLYCHLORINATED BIPHENYL SAMPLE
John A. G. Roach and Irwin H. Pomerantz (Div. Chem. Technol., FDA, Washington, DC)
Bull. Environ. Contam. Toxicol. 12, No. 3: 338-42 (Sept. 1974)

Kanechlor 400 (KC-400), a commercial PCB of Japanese origin, was anal. by GC. Found were: trichlorobiphenyl, trichlorodibenzofuran, tetrachlorobiphenyl, pentachloronaphthalene, tetrachlorodibenzofuran, methylpentachloronaphthalene, pentachlorophenyl cyclopentadiene, and pentachlorodibenzofuran (some identa. are tentative). The material was anal. in a hexane soln. The anal. was carried out in an instr. equipped with an ECD and a 6 ft x 4 mm, i.d., glass col. packed with 10% OV-101 or 1:1 10% DC-200 + 15% QF-1. Col. temp. was 200°C; nitrogen carrier gas flow rate was 120 ml/min. MS (Finnigan 1015) was used to assist in the identa. Chlorinated dibenzofurans are hazardous chems. No retention data.
GE 89-88-61b-35b

No. 75-0065 0065

METABOLISM OF DDT BY THE FRESHWATER PLANARIAN PHAGOCATA VELATA
James Phillips, Marion Wells and Clay Chandler (Dept. Biol., Middle Tennessee State Univ., Murfreesboro, TN)
Bull. Environ. Contam. Toxicol. 12, No. 3: 355-358 (Sept. 1974)

Hexane extracts of the worms were cleaned up with Florisil and analyzed by GC for DDT and its metabolites (DDE and DDD). The analyses were carried out in a Beckman GC-45 instr. equipped with an ECD and a 6 ft x 2 mm, i.d., glass col. packed with 10% DC-200 on 100/120 mesh substrate. Col. temp. was 220°C; flow rate of the He carrier gas was 20 ml/min. Recovery was 94%. No retention data.
GE 91-89-83a-61b

No. 75-0066 0066

PESTICIDE RESIDUES IN THE TOP SOIL OF FIVE WEST ALABAMA COUNTIES
R. Albright, N. Johnson, T. W. Sanderson, R. M. Farb, Rena Malton, Lynn Fisher, G. R. Wells, W. R. Parsons, V. C. Scott, J. L. Speake, J. R. Stallworth, B. G. Moore and A. W. Hayes (Depts. Biol. and Microbiol., Univ. Alabama, University, AL)
Bull. Environ. Contam. Toxicol. 12, No. 3: 378-84 (Sept. 1974)

The distribution of pesticides (BHC, lindane, aldrin, DDD, DDE, DDA, DDT, heptachlor epoxide, dieldrin, methoxychlor, and perthane) in soil samples was reported. The GC analyses were carried out on hexane extracts in a Micro-Tek MT-200 instr. equipped with four 6 ft x 1/8 in., o.d., U-shaped glass cols. packed with OV-17 (1.5%)/QF-1 (1.95%) and OV-1 (3%). The OV-17/QF-1 col. contained a.w., silane-treated Chromosorb W, 100/120 mesh, and the OV-1 col. contained 80/100 mesh Chromosorb W HP. Col. temp. was 180°C; the flow rate of the nitrogen carrier gas was 70 ml/min; the det. was a ^{63}Ni ECD. No retention data.
GE 89-61b

No. 75-0067 0067

CONCENTRATION OF PESTICIDE RESIDUE SOLUTIONS WITH A MODIFIED COMMERCIAL MULTI-TUBE SOLVENT EVAPORATOR
D. E. Ott (Dept. Entomol., Univ. California, Riverside, CA); and G. F. Liebig, Jr. (Dept. Entomol., Univ. California, Riverside, CA, Present address: 3735 Mt. Alma Gross Place, San Diego, CA)
Bull. Environ. Contam. Toxicol. 12, No. 4: 417-20 (Oct. 1974)

Almost every pesticide residue anal. method requires a concn. step involving partial or complete removal of org. solvent. This paper describes an apparatus which is very

MONS 206170