(F) Aroclor Refs. Papageorge Richard Maeure Keller

No. 75-0048 0048

METABOLISM OF ENDOSULFAN ISOMERS BY ASPERGILLUS NIGER
C. A. El Zorgani and M. E. H. Omer (Agr. Res. Corp., Wad Medani, Sudan, Africa)
Bull. Environ. Contam. Toxicol. 12, No. 2: 182-85 (Aug. 1974)

The metabolism of the two isomeric versions of endosulfan (1,2,3,4,7,7-hexachlorobicyclo (2,2,1)-2-hepten-5,6-bis(hydroxymethylen)-sulfite (their only metabolite:(1,4,5,6,7,7-hexachloro-2,3-bis(hydroxymethyl)-bicyclo(2,2,1)-heptene-5) was investigated. α-Endosulfan, β-Endosulfan, Endosulfan alcohol (the metabolite), and the trimethylsilyl deriv. of Endosulfan alcohol were determined by GC in a Perkin-Elmer F-11 instr. equipped with an ECD and (I) a 6 ft x 1.5 mm, i.d., glass col. packed with 2.5% SE-52 and 0.5% Epikote on 80/100 mesh DMCS-treated Chromosorb W, operated at 200°C under a nitrogen carrier gas flow rate of 80 ml/min; (II) 2 ft x 4.6 mm, i.d., s.s. col. packed with 3% SE-30 and 0.5% Epikote on 80/100 mesh DMCS-treated Chromosorb W, operated at the same temp. and flow rate. TLC was used to assist in the identn. Retention data: Tabulated, p. 184.
GE 89-88-61b-47b-39-35c

No. 75-0049 0049

ACUTE EFFECTS OF AROCLOR 1254 (PCB) IN ICTALURUS PUNCTATUS (CATFISH)
B. J. Camp, E. Hejtmanick and C. Armour (Dept. Veterinary Physiol. and Pharmacol.); D. H. Lewis (Dept. Veterinary Microbiol.)(both at Texas A & M Univ., College Station, TX)
Bull. Environ. Contam. Toxicol. 12, No. 2: 204-08 (Aug. 1974)

The uptake and tissue distribution of polychlorinated biphenyls (PCB's) by catfish exposed to Aroclor 1254 was investigated. Hexane extracts containing the Aroclor 1254 were analysed by GC in an instr. equipped with a ^{63}Ni EAD and a 6 ft glass col. packed with 3% OV-17 on 100/120 mesh Gas Chrom Q, operated at 185°C. No retention data.
GE 89-61b

No. 75-0050 0050

DIELDRIN CONTAMINATION OF MILK BY USE OF SECOND-HAND BAGS FOR FEED
Ernest A. Epps, Jr., Frances L. Bonner and Rubel P. Cowart (Louisiana Agr. Expt. Station, Baton Rouge, LA)
Bull. Environ. Contam. Toxicol. 12, No. 2: 209-11 (Aug. 1974)

Pesticide residue analyses were carried out by extracting the samples by conventional methods and subjecting the extracts to GC. The gas chromatograph used was equipped with a 5 ft x 1/8 in., o.d., glass col. packed with 5% DC-200 on 80/100 mesh Gas Chrom Q, operated at 185°C under a nitrogen carrier gas flow. ppm concns. of dieldrin, eldrin, and DDT (including related compds.) were determined. No retention data.
GE 89-61b

No. 75-0051 0051

WATER-SOLUBLE HYDROCARBONS FROM CRUDE OIL
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Bull. Environ. Contam. Toxicol. 12, No. 2: 212-17 (Aug. 1974)

The water-soluble components (benzene, toluene, ethylbenzene, m- and p-xylenes, o-xylene, m- and p-ethyltoluene, mesitylene, o-ethyltoluene, 1,2,4-trimethylbenzene, and 1,2,3-trimethylbenzene) were determined in crude oil samples. The GC determinations were made on the basis of retention times established in an Aerograph 200 instr. equipped with a FID and a 25 ft x 1/8 in. col. packed with 25% Carbowax 20M on Chromosorb P or 5% SE-30 on Chromosorb W. The Carbowax col. was operated at 180 or 135°C. Isobutyl acetate was used as the internal standard. Retention data: Chromatograms, p. 213.
GE 89-54a

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