No. 73-0606 0606

INTESTINAL ABSORPTION OF POLYCHLORINATED BIPHENYLS IN RATS

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Bull. Environ. Contam. Toxicol. 8, No. 1: 26-31 (July 1972)

Quantitative data on the extent to which PCB's can be absorbed from the diet are presented. All of the PCB's were retained to an extent greater than 90% of the amt. fed. PCB's were analyzed by GC using a Hewlett-Packard 5750 and Varian Aerograph 1200 instr. Col. was OV-101 operated at 200°C. Reten. times, tab. p. 29. Chlorinated biphenyls having from one to six chlorine atoms per mol. were fed to the rats.

89-61a-54b

No. 73-0607 0607

NEGATIVE CATALYSIS IN CHAIN REACTION OF CYCLOHEXANOL OXIDATION USING VARIOUS METAL STEARATES

A. L. Aleksandrov, G. I. Solovyev and E. T. Denisov (Inst. Chem. Phys., Acad. Sci. USSR)

Izv. Akad. Nauk SSSR, Khim. 1972, No. 7: 1527-33 (1972) (In Russian)

GC control of cyclohexanol oxidation has been carried out for reaction kinetics evaln.

Instrument: Not specified
Detector: FID type DIP-1
Col. L/d: 150 cm
Stat. ph./concn.: PEG
Support/mesh size: Diatomite firebrick 0.1-0.25 mm
Oper. temp.: 108°
Compds. sepd.: Cyclohexanone

89-56b-55c

No. 73-0608 0608

GAS LIQUID CHROMATOGRAPHIC DETERMINATION OF NITRATE ESTERS, STABILIZERS AND PLASTICIZERS IN NITROCELLULOSE BASE PROPELLANTS

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J. Chromatog. 71, No. 1: 23-27 (Aug. 23, 1972)

A GC method has been developed for detg. nitrate esters as well as stabilizers and plasticizers in a wide variety of nitrocellulose-base propellants. Sepns. are performed on short cols. contg. light loadings of OV-101, -210 and -225. Reten. times obtained for twenty-four components permit the selection of cols. and identification of the components in unknown propellants. A Hewlett-Packard 7624A GC was used with FID. Col. was 1/8 in x 2 ft packed with 3.8% OV-101 on Gas Chrom Q. Col. was temp. programmed from 70° to 220°C at 6°C/min. Reten. times, tab. p. 28. Chromatograms, pp. 30-31, 35.

89-60a-57a-47b

MONS 059553