was modified to achieve micro-scale quant. conversion of commercial prepns. The prods. were analyzed by GC in an instr. equipped with an ECD and a 6 ft x 4 mm, i.d., glass col. packed with (I) 1% OV-101 on 100/120 mesh Gas Chrom Q, operated at 220°C under a nitrogen carrier gas flow rate of 120 ml/min, or (II) 3% Dexsil 300 on 100/120 mesh Gas Chrom Q, operated at 240°C under a nitrogen carrier gas flow rate of 60 ml/min. The procedure converts a multicomponent mixture to a single deriv. detectable by means of GC. Retention data: Chromatograms pp. 992-93.
GE 89-61a

No. 75-0151 0151

POLYCHLORINATED BIPHENYLS AND POLYCHLORINATED TERPHENYLS IN CANADIAN FOOD PACKAGING MATERIALS
David C. Villeneuve and William E. Phillips (Food Res. Labs., Health Protection Branch, Dept. Natl. Health and Welfare, Ottawa, ON, Canada); Lincoln M. Reynolds and Gordon H. Thomas (Ontario Res. Foundd., Sheridan Park, ON, Canada)
J. Assoc. Off. Anal. Chemists 56, No. 4: 999-1001 (July 1973)

The samples were extracted with hexane and cleaned up in a Florisil col. The cleaned-up extracts were analyzed by GC using two methods: (I) Varian 1400 instr. equipped with an ECD and a 5 ft x 1/8 in. glass col. packed with 4% SE-30/6% QF-1 on 80/100 mesh Supelooport, operated at 185°C under a purified nitrogen carrier gas flow rate of 100 ml/min; (II) Varian 1400 instr. equipped with a ^{63}Ni ECD and a 6 ft x 1/8 in. coiled glass col. packed with 3% Dexsil 300 on 60/80 mesh a.w. Chromosorb W, operated at 300°C under a nitrogen carrier gas flow rate of 40 ml/min. The operating parameters for screening and quant. were: Varian 1200 instr. equipped with a tritium ECD and a 6 ft x 1/8 in. coiled glass col. packed with 4% SE-30/6% QF-1 on 60/80 mesh a.w. Chromosorb W, operated at 220°C under a nitrogen carrier gas flow rate of 20-30 ml/min. No retention data.
GE 89-61a

No. 75-0152 0152

COLLABORATIVE STUDY OF THE RECOVERY AND GAS CHROMATOGRAPHIC QUANTITATION OF POLYCHLORINATED BIPHENYLS IN CHICKEN FAT AND POLYCHLORINATED BIPHENYL-DDT COMBINATIONS IN FISH
Leon D. Sawyer (FDA, Minneapolis, MN)
J. Assoc. Off. Anal. Chemists 56, No. 4: 1015-23 (July 1973)

Nine labs. collaborated in the evaln. of the Assoc. of Off. Analytical Chem. Method 29.001-29.017 by analysing samples for PCBs alone and in the presence of DDT type pesticides. The method was found adequate for recovery of PCB's and the DDT type compds. could be adequately quant. without prior sepn. from PCBs.
GE 89-61a

No. 75-0153 0153

NEGATIVE FINDING OF 2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN IN COOKED FAT CONTAINING ACTUAL AND FORTIFIED RESIDUES OF RONNEL AND/OR 2,4,5-TRICHLOROPHENOL
Randall R. Watts and Robert W. Storherr (Registration Div., Environ. Protection Agency, Washington, DC)
J. Assoc. Off. Anal. Chemists 56, No. 4: 1026-27 (July 1973)

Beef fat containing residues of Ronnel (O,O-dimethyl-O-(2,4,5-trichlorophenyl)-phosphorothioate) and its metabolite 2,4,5-trichlorophenol was examined before and after cooking for the presence of 2,3,7,8-tetrachlorodibenzo-p-dioxin. The anal. which gave negative results was carried out by GC in a Packard dual-oven instr. equipped with a microcoulometer det. and a 6 ft x 4 mm, i.d., col. packed with 5% DC-200 or 10% DC-200 on 80/100 mesh Chromosorb W (HP). No retention data.
GE 89-61b

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