Arochlor SP, C

No. 72-1411 1411

INTERPRETATION OF PERSISTENCE AND EFFECTS OF POLYCHLORINATED BIPHENYLS IN BIRDS
S. Bailey, P. Bunyan (Pest. Infection Control Lab., Ministry Agr., Fish and Food., Tolworth, Surrey, England)
Nature 236, No. 5340: 34-36 (March 3, 1972)

Mean total polychlorinated biphenyls residues found in pigeons and quail tissue after feeding 'Arochlor 1254' at 250 ppm for 20 days is reptd. PCBS were analyzed by GC using a 3 ft Apiezon L col. at 200°C.

89-61a-54b

CJT > [redacted] Wek.

No. 72-1412 1412

THE VOLATILE CONSTITUENTS OF THE SCENT GLAND RESERVOIR OF THE FRUIT SPOTTING BUG, AMBLYPELTA NITIDA
J. Baker (Dept. Chem., James Cook Univ. North Queensland, Townsville, Queensland, Australia) J. Blake and J. MacLeod (Res. School Chem., Australian National Univ., Canberra) and D. Ironside, I. Johnson (Dept. Primary Industries, Nambour, Queensland, Australia)
Australian J. Chem. 25, No. 2: 393-400 (Feb. 1972)

Using combined GC/MS, ten components of the scent gland complex of the Amblypelta nitida have been identified. Of specific interest is the presence in the gland reservoir of 2-n-butyl-oct-2-enol, the aldol condensation dehydration prod. of hexanal. A Varian 1740 GC was used. Col. was 3% SE-30 or 10% FFAP. Col. was temp. prog. from 30° to 200°C at 6°C/min. Chromatograms, p. 395. Raten. times are tab., p. 396.

89-88-56a-55a-35b

No. 72-1413 1413

ANALYSIS OF TERPENIC AND RELATED HYDROCARBONS BY MEANS OF CAPILLARY GAS CHROMATOGRAPHY
I. I. Bardyshev and V. I. Kulikov (Inst. Phys. Org. Chem., Acad. Sci. Beloruss. SSR, Minsk, USSR)
Zh. Analit. Khim. 26, No. 10: 1998-2001 (1971) (In Russian)

Suitable operating conditions for capillary GC of terpenes and related hydrocarbons have been investd.:

Instrument: Chrom 2
Detector: FID
Col. L/d: 42 m capillary
Stat. ph./concn.: (I) VM-4 silicone; (II) TCP; (III) Olive oil; (IV) PEG 2000 coated from 17% soln. in diethylether
Highest efficiency recorded at (I) and (II) at 130°C
Carrier gas/flow rate: N_2, various inlet pressures: 0.12 to 0.80 kp/cm^2, see tab. p. 1998
Oper. temp.: Various: 90°, 110°, 130°, 150°C (acc. to tab. p. 1998)
Retention data: Tables: p. 2000 for 61 components; Graph lg V_g on (1) vs. (2): p. 1999; Chromatograms: p. 1999