

PC 12 - A. H. G. - W. I.

4-72 No. 72-0650 0650
ABSENCE OF POLYCHLORINATED BIPHENYLS IN HUMAN MILK AND SERUM FROM TEXAS AND HUMAN MILK FROM NEW GUINEA

P. Dymont, L. Hebertson (The Pediatric Service, William Beaumont General Hospital, El Paso, TX) and E. Gomes and J. Wiseman (Community Pesticides Study Lab., San Benito, TX) and R. Hornabrook (Inst. Human Biol., Territory Papua and New Guinea)
Bull. Environ. Contam. Toxicol. 6, No. 6: 532-34 (Nov.-Dec. 1971)

Seventy-nine lactating women from New Guinea and Texas had their breast milk assayed for the presence of polychlorinated biphenyls, a widespread ind. pollutant of the ecosystem. Twenty-eight of these women had serum samples assayed for polychlorinated biphenyls also. No polychlorinated biphenyls were detected in any of the samples. Samples of blood serum and milk were extd. with hexane. The blood ext. was concd. and analyzed by GC. A MicroTek 220 GC with tritium foil det. was used. CoIs. were 1.5% OV-17 had 1.95 QF-1 on Chromosorb W 100-120 mesh H. P. and 4% SE-30 6% QF-1 on Chromosorb W col. temp. 200°C.

89-61a-54b

4-72 No. 72-0651 0651
THE USE OF PYROLYTIC GAS CHROMATOGRAPHY FOR QUANTITATIVE ANALYSIS OF STYRENE AND ALPHA-METHYLSTYRENE IN RUBBERS AND RESINS

J. I. Eventova, A. I. Malyshev and O. K. Barashko (No affiliation given)
Probl. Analit. Khim. 1: 67-69 (1970) (In Russian)

Pyrolytic device described elsewhere, Parris & Holland, Brit. Plastics 33: 372, 1960, has been used for detns. of styrene and alpha-methylstyrene in rubbers and resins:

Instrument: Cvet
Detector: FID
Col. L/d: 200 cm
Stat. ph./concn.: 20% Apiezon L
Support/mesh size: Chromosorb W, treated by 10% alkali
Carrier gas/flow rate: He, 110 ml/min
Oper. temp.: 100°C
Retention data: Chromatograms: p. 68; Graph: p. 68
Comps. sepd.: Styrene, alpha-methylstyrene

89-88-54a-38

4-72 No. 72-0652 0652
PEROXYACETIC ACID OXIDATION OF 4-METHYLPHENOLS AND THEIR METHYL ETHERS
J. Farrand and D. Johnson (The Inst. Paper Chem., Appleton, WI)
J. Org. Chem. 36, No. 23: 3606-12 (Nov. 19, 1971)

The peroxyacetic acid oxidations of 4-methylpyrocatechol, 4-methylveratrole, p-cresol, p-methylanisole, 2-methoxy-p-cresol and 4-methyl-o-benzoquinone were investd. in aq. acetic acid at 25°C. In all cases, cis; trans-8-methyl-