ABSTRACT

Chronic Toxicity of Three Polychlorinated Biphenyls in Albino Rats. Fancher, Otis E., Keplinger, M. L., Plank, J. B., Wheeler, E. P., and Calandra, J. C. (0000). Toxicol. Appl. Pharmacol. 00, 00 - 00. Two year toxicity studies were conducted in albino rats with 3 polychlorinated biphenyls (Aroclors 1242, 1254 and 1260) at dietary levels of 1, 10 and 100 ppm. Each of the three materials at the 100 ppm level caused liver changes characterized by increased liver weights, increases in liver to body weight and liver to brain weight ratios, and by slight to mild centrilobular hypertrophy with fatty vacuolization. These changes were observed only in animals sacrificed after 24 months of treatment. No other effects were observed at 100 ppm except for a weight depression for female rats with Aroclor 1254 and no effects were observed with any material at 1 or 10 ppm.