R.A. Lidgett - Ruabon

24th December, 1969

P.C.B. ANALYSIS

RAL/mch

E.S. TUCKER - St. Louis

R.A. Baxter, Ruabon
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Thank you for your memo on the use of S.C.O.T. columns for p.c.b. analysis. The chromato rams will be very useful to us in the biodegradation study since we are now concerned with identifying specific isomers in 1242 to determine which are the most easily degraded.

Your S.C.O.T. chromatograms give the highest resolution for 1242 that I have seen for low levels, and we shall shortly be trying to duplicate them. Our initial results on a well used 50' silicone gum S230 S.C.O.T. were not successful - this may have been due to age or contamination, but we have now built an all glass system (P.L.O.T. columns) and will try again.

I have noticed that there is little evidence for 1242 in chromatograms obtained in the U.K. on extracts from wildlife residues etc., possibly because it is degraded and most people are quoting the p.c.b.'s found as 1254 and occasionally 1260. Do you find a similar situation in the U.S.?

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