Aroclor FF

Monsanto

FROM (NAME & LOCATION) E. S. Tucker - Technology Department - S. Second Street

DATE September 11, 1970

SUBJECT

REFERENCE

cc M. W. Farrar - Res. 1
R. E. Keller - Res. 1
R. H. Munch - Res. 2
W. B. Papageorge - GO
W. R. Richard - GO

TO : E. P. Wheeler
General Offices

The PCB analysis of the albino rats fed Aroclor by Industrial Bio-Test Laboratories (IBT No. B7009) have been completed. The results of the analysis are shown in Analytical Chemistry Special Study 70-17, a copy of which is attached.

These findings are significant in that this is the first laboratory proof we have been able to generate that supports Ralph Munch's approach to producing a more "degradable" Aroclor product for controlled usage. It is also in agreement with the environmental findings to date.

These results have been discussed with Bill Richard and Ralph Munch. Our concensus is that it would be worthwhile carrying out similar studies with fractionated Aroclor 1130 and MCS 1016.

Additionally, based on the experience gained in this first study I would suggest that enough animals be included to allow some incremental sacrifices after the test material had been removed from their diet and that a lower exposure level be included. The study would therefore be as follows - 45 animals per compound per level, 15 to be sacrificed after 15 and 30 day recovery diets. The suggested dietary levels should be 300 and 100 ppm and the products studied should include the two previously mentioned materials, fractionated Aroclor 1130, MCS 1016, and Aroclor 1242 as a control. It is debatable whether or not a blank control is necessary but if the additional cost is not too high one should probably be included.

Ralph Munch or Bill Richard should be contacted for supplies of the new materials.

E. S. Tucker

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