Monsanto INDUSTRIAL CHEMICALS CO.

FROM (NAME & LOCATION): E. S. Tucker - T2F

DATE: February 19, 1974

SUBJECT: DIELECTRIC FLUID TISSUE RESIDUE STUDY MEETING

REFERENCE:

cc: H. S. Bergen - B2SL
W. R. Richard - T3A
W. B. Papageorge - B1ND

TO: M. Brooks - Younger Laboratories
R. E. Keller - T1B
G. J. Levinskas/F. R. Johannsen - A2SC
W. M. Mees - T2F
R. H. Munch - T1B

A project status review meeting was held on February 14, 1974. The following is a summary of the discussion.

Analyses of the tissues collected from the 10-day pilot study have been completed. On the basis of this data, the exposure levels on the final study will be:

Fluid	Exposure Level (ppm) Low	High
MCS 1633	25	100
MCS 1623	25	100
MCS 1238	25	100
MCS 1302	5	25
MCBP	25	100
MCS 1043	25	100
MCS 1489	5	25
Aroclor 1016	5	25
Aroclor 1242	5	25
MCS 1475	25	100

The spiked feeds will be prepared in the order indicated (low-high) to minimize the possibility of cross contamination. There was some discussion that it may be desirable to substitute a different fluid for MCS 1475. For this reason, MCS 1475 feed will not be prepared until a decision is made by Munch and Tucker.

Feeding is scheduled to start on or about February 27, 1974.

Analysis of the whirl pack P.E. bags for PCB's indicated that they contain ppb levels. The tissues from the final study will therefore be collected and stored in glass jars with foil-lined screw caps.

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High-boiling electron capture active interferences were found in the control tissues. A second set of control tissues will be supplied by Younger Laboratories for us to analyze. Control tissues will also be obtained from Industrial Bio-Test Laboratories and analyzed to determine if these interferences are present only in the rats shipped to Younger Laboratories.

The sample numbering system will be changed as suggested by Brooks. The numbers to be used will be entered in our matrix by Younger Laboratories and copies sent to us.

The effect of short-term freezer storage on the composition of the retained residues will be checked via comparison of residues from a duplicate liver sample analyzed before and after storage.

A second review meeting will be scheduled as soon as data are in hand.

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