

Monsanto

ORGANIC CHEMICALS DIVISION

Monsanto Company
1700 South Second Street
St. Louis, Missouri 63177
Phone: (314) 621-4000

October 14, 1969

Mr. Francis Coon
Wisconsin Alumni
Research Foundation Institute
Madison, Wisconsin 53706

Dear Mr. Coon:

I have shipped to you, under separate cover, 2 pounds each of Aroclor 1242, 1254 and 1260.

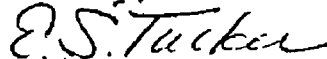
I have also checked with our mass spectroscopists with regard to the minimum amount of PCB required for an unequivocal identification. The figure given me is 1 microgram. This amount may seem high but as you know we are working with a large number of isomers.

In answer to Don Hughes questions on partition solvents, I have included some tables showing the results of our partition experiments with various solvents. In terms of recovery, I think this demonstrates that DMF is the better solvent.

The TLC work we have done was all with Silica Gel G plates, activated at 110°C for 4 hours. The best solvent systems were hexane-acetone (98/2) and hexane-acetic acid (98/2). While reasonable separations were obtained we discarded this procedure because of the time required.

Please advise me when you are ready to ship the samples and extracts we discussed. When they are sent to us, it would be helpful if the chromatograms and your estimated amounts are included.

Sincerely,



E. S. Tucker
Senior Research Chemist

db

cc: R. E. Keller
M. W. Farrar
W. R. Richard
→ E. P. Wheeler

DSW 162313

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