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The University of Wisconsin

WATER CHEMISTRY LABORATORY
MADISON, WISCONSIN 53706
262-2470
AREA CODE 608

January 2, 1970

Dr. Elmer P. Wheeler
Manager, Environmental Health
Monsanto Company
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

Dear Dr. Wheeler:

I wish to express my appreciation for the samples of 2, 4'- and 4, 4'-dichlorobiphenyl which you sent to me. The 4, 4'- isomer is very pure indeed, and will be incorporated directly into our studies with the more highly chlorinated isomers which we have isolated. The 2, 4'- isomer exists in a mixture, but can be readily enriched. Both samples should be very useful.

The nature of the samples suggests that they may be the products of a Gomberg synthesis or similar reaction. Consequently, I would be interested in the origin of the samples (i. e., were they synthesized by a specific reaction or isolated from Arochlor 1221 as described by Weingarten?) as well as the chemical data from which the structures were assigned. If the samples you sent were synthesized directly, I would be interested in the results of attempts to synthesize the more complex chlorinated biphenyls.

Thank you again for your continuing assistance.

Sincerely yours,

G. Fred Lee, Professor
Water Chemistry

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