bcc: W. B. Papageorge
E. [illegible]. Wheeler
W. [illegible]. Richard
M. W. Farrar
J. T. Garrett

PCB Coors Gov. Agencies

April 27, 1970

Dr. E. H. Dustman
Director
Patuxent Wildlife Research Center
Bureau of Sport Fisheries and Wildlife
Laurel, Maryland 20810

Dear Dr. Dustman:

The enclosed packet covers analytical methods for PCB's which we discussed at Duluth. Please let us know if you have specific questions relative to these procedures. As mentioned at the meeting - we are in the continuous process of improving our analytical methods and the enclosed copies represent our current state-of-the-art.

We have prepared very small quantities of isomers shown in the attached table over the years. Unfortunately, we have only small reserve samples of the 4-, 2,2'-, 2,4'-, 2,5'-, 3,5'- and 4,4'- isomers available at this time. We will be happy to share these with you if 20 milligram amounts will suffice. The purity of these compounds varies and cannot be assumed to be high in all cases.

Sincerely,

Robert E. Keller
Manager
Applied Sciences Section

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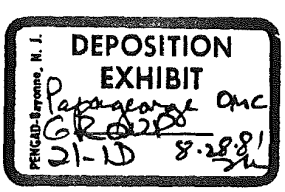
Enclosures - 2

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POLYCHLORINATED BIPHENYL ISOMERS PREPARED BY SYNTHESIS ROUTES

| Chlorine Position |
|---|
| 2- |
| 3- |
| 4- |
| 2,2'- |
| 2,3'- |
| 2,4- |
| 2,4'- |
| 2,5'- |
| 4,4'- |
| 2,5,2'- |
| 3,4,2'- |
| 2,3,2'- |
| 2,5,4'- |
| 3,5,4'- |
| 2,3,4'- |

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WATER_PCB-00054612

TELEPHONE - Area Code 301
776-6760 (Maryland Exchange)

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
BUREAU OF SPORT FISHERIES AND WILDLIFE
PATUXENT WILDLIFE RESEARCH CENTER
LAUREL, MARYLAND 20810

TELEGRAMS
Bureau of Sport Fisheries and Wildlife
Washington, D. C. 20240

WRes

April 23, 1970

Mr. Robert E. Keller
Monsanto Company
Organic Chemicals Division
1700 South Second Street
St. Louis, Missouri 63177

Dear Mr. Keller:

I appreciated having the opportunity for a discussion with you at the PCB meeting in Duluth. We would very much appreciate receiving the analytical packet you mentioned.

As I recall, you stated that you had prepared a large number of PCB isomers, perhaps 17. I was not certain, however, whether you meant that samples would be available of these separate compounds or whether you referred to identifications in a mixture.

If separated compounds are available, we would like very much to receive samples.

Sincerely yours,

E. H. Dustman

E. H. Dustman
Director

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