Monsanto

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April 22, 1985

Mr. Brian Westrich
c/o Department of Environmental Health Services
Washington State University
Pullman, Washington 99164

Dear Mr. Westrich:

In response to your recent request, I am providing literature references for analytical methods for polychlorinated biphenyls:

1. Standard Method for
   Rapid Gas Chromatographic Estimation of Higher Boiling Homologues of Chlorinated Biphenyls for Capacitor Askarels
   ASTM Designation: D 3303-74
   (For estimating the concentrations of pentachloro- and higher chlorobiphenyl components in PCB fluids. Not intended for environmental analysis.)

2. Standard Method for
   Analysis of Environmental Materials-Polychlorinated Biphenyls
   ASTM Designation: D 3304-74
   (For measuring low levels of PCBs in water, sediment and soil.)

3. Standard Method for
   Polychlorinated Biphenyls (PCBs) in Water
   ASTM Designation: D 3534-76
   (For measuring low levels of PCBs in water when the analyst also wants to measure several organochlorine pesticides in the same sample.)

4. Gas Chromatographic Method for the Analysis of Polychlorinated Biphenyls in Transformer Oil. Ogata, et al, JOURNAL OF CHROMATOGRAPHY, 189 (1980) 425-427.
   (We have not tested this method, but it appears to be based on sound scientific principles.)

These references should be readily available at many industrial and university libraries.

Yours truly,

John H. Craddock, Product and Environmental Safety Director

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P.S. The US EPA Industry Assistance Office (800-424-9065) can provide you with a more recent list of ASTM methods made a "part" of the PCB regulations. JHC

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