SC
Aroclor

Monsanto

FROM (NAME & LOCATION) O. Hicks - T2F

DATE : January 27, 1977

CC: R. E. Keller - T1B
J. P. Mieure - T2F

SUBJECT : PCBs in Silage

REFERENCE : Phone Call JCW/JPM 1/19/77

TO : J. C. Weber - B2SK

Per your phone request, the silage sample from J. O. Moomaw of Bloomfield, Indiana was analyzed for PCBs.

The straw-like nature of the sample made it difficult to mix or obtain a representative sample. Two replicate portions were analyzed and values of 0.5 and 0.8 ppm Aroclor 1254 were obtained. Assuming these "grab" samples are representative, the silage probably contains 0.5 - 1.0 ppm Aroclor 1254. The chromatographic fingerprint of the sample and Aroclor 1254 standard was almost identical.

The samples were homogenized with hexane solvent in a Waring blender, then chromatographed on deactivated alumina to remove polar impurities. Final measurement was by gas chromatography with an electron capture detector.

O. Hicks

/omc

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