

Monsanto

10 Dr. Young

FROM (NAME-LOCATION-PHONE) R. F. Ivory-EASC-Dayton-1250-ext. 417

DATE : April 13, 1981

cc: D. J. Dahm-1250
C. S. Friedman-1250

SUBJECT : ANALYSIS OF OIL FOR PCBs

REFERENCE : Job #408.3100

TO : E. Guinn
1015-AkronTo Frach
4/16/81
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Three oil samples submitted by the MIC-Akron Plant were analyzed for possible PCB contamination. The samples were analyzed in accordance with MRC Method 08-GC-R1. The samples were screened for the PCB Aroclors 1242, 1254, and 1260. The sample chromatograms were compared to chromatograms of standards made from these Aroclors run under similar analytical conditions for identification and quantitation. The method used has a lower detection limit of 1 µg/mL (ppm), a precision of ±9%, and an accuracy of ±12% based on the analysis of Aroclor 1242 standards. The precision of the method is ±20% when applied to real world oil samples.

Results of the analyses were as follows:

Wiped by with test which are disposed of as contaminated articles. This surface cleaning should be done at least three times. The contaminated interior should be flushed at least three times. Each

Sample ID	PCB Content µg/mL (ppm)
Therminol 55 from Heat Transfer System	143
Hexane, Var-Sol, and Therminol 55 from Drum #35	1400
Hexane, Var-Sol, and Therminol 55 from Drum #36	890

Main system now close to goal of 50 ppm

If you have any questions, please contact me regarding the still procedure or equipment location, please see me.

R. F. Ivory
Robert F. Ivory
EASC Service Project Manager

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