Monsanto INDUSTRIAL CHEMICALS CO.

Dielectric fluids

FROM (NAME & LOCATION): J. P. Mieure - T2F

DATE : January 23, 1975

SUBJECT : DETERMINATION OF PCBs IN AIR

REFERENCE :

cc: M. W. Dietrich - T2B
R. E. Keller - T1B
R. H. Munch - T1B
P. Wood - B2SC

TO : W. B. Papageorge - B2SK
W. R. Richard - T3A

This past week we have received two requests from Aroclor customers/users for methods suitable for identifying and measuring PCBs in ambient air or stack gases. Our method for this analysis represents the state of the art in 1970 and is adequate for many applications. However, it is not suitable for high volume sampling or stack sampling.

The two recent requests were prompted by regulatory agencies (New York and Ohio) and may presage increased interest in PCBs in air. One customer specifically requested stack sampling. Our existing methodology is probably inadequate to cover many of our future requests. We have literature references to more comprehensive techniques which appear technically sound. We also have considerable expertise in measuring many other classes of organic compounds in air at trace levels. Although we can predict that these procedures are appropriate for PCBs, we cannot guarantee this without thorough testing.

I view three viable options available to us.

1. Continue sending out our existing method, which is part of our PCB methodology handout.

2. Cite published methods with a disclaimer statement that we have not validated these procedures.

3. Validate/develop improved methods and incorporate into our methodology handout.

I am soliciting your guidance as to which of the above options (or an alternate) we should pursue.

J. P. Mieure

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