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FROM (NAME & LOCATION) H. L. Campbell - WCK

DATE January 4, 1972

SUBJECT Analysis of WCK
Products for PCB's

REFERENCE

TO : W. C. Engman

cc: G. L. Bratsch
G. A. Hippe
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Attached in table form are the results of our examination of a number of WCK products for contamination by polychlorinated biphenyls (PCB's). This information was needed to establish possible contamination from residual Aroclors in the Thermol units. The analyses were performed on samples of products produced within the last thirty (30) days. Because of the structural similarity between o-dichlorobenzene (ODCB) and the polychlorinated biphenyls we have been unable to adapt current PCB methodology to ODCB. Scott Tucker of Organic Research was also unable to provide any immediate help with regard to a suitable analytical approach. In addition, we have been unable to conclude our analysis of Santophen-1 due to severe and persistent chromatographic interferences. Standard techniques employed to remove such interferences were unsuccessful in this instance. We also have no alternate analytical approach for this product at present.

In all cases the basic PCB method was employed, however certain modifications were required to adapt the method to the particular product. It should be pointed out that time did not permit us to evaluate the efficiency of the procedures used. We must therefore assume that the accuracy of a result is the same as that provided by our standard method.

K. L. Schutzenhofer
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(E. J. Horner)

dy
attach.

DSW 296271

STLCOPCB4066215

Table of Results of PCB Analyses

<u>Sample Identification</u>	<u>PCB's(ppb)</u>
POCl ₃ , Lot No. 693, 12/4/71	145
POCl ₃ , West Receiver, 12/13/71	None detected
PCl ₃ , Lot KA-223, 12/1/71	None detected
P ₂ S ₅ , Lot KA-657, 12/7/71	30
ONA, Lot KA-397, 11/29/71	20
4-NDPA, Lot KA-217, 12/7/71	63
CDP, Lot KA-49, 11/23/71	None detected
Analytical Blank, 12/14/71	1
Analytical Blank, 12/16/71	None detected
Analytical Blank, 12/21/71	6

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