

Monsanto

FROM (NAME & LOCATION) K. L. Schutzenhofer - WGK

Call - Archer

DATE : February 16, 1972
SUBJECT : Analysis of AC1 and CYA for PCB's
REFERENCE :
TO : D. D. Mickelson

cc: P. E. Heisler
G. A. Hippe
R. M. Blowers
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File

The following is a list of results of our examination of a number of AC1 samples for polychlorinated biphenyl (PCB) contamination.

<u>Sample Identification</u>	<u>PCB's (ppb)</u>
AC1-85, Reg., Lot 5410, 12/27/71	5
AC1 59, Reg., Lot KM-33	78
AC1 66, Reg., Lot KA-3129	6
AC1-59, Reg., Lot KM-60	1
AC1-85, X-Gran., Dept. 242, 12/27/71	1
AC1-66, X-Gran., Lot No. 4563	61
AC1-66, X-Gran., Lot No. 4617	9
AC1-66, Reg., Lot KA-3130	1
AC1-85, Reg., Lot No. 5420	3
AC1-60 Gran, FMC Lot No. 128482	Interferences too great
AC1-59, X-Gran., FMC Lot No. 129601	"
AC1-60, X-Gran., FMC Lot No. 130307	"
Cryde CYA, Dept., 251, 1/20/72	2

The analyses were made by an adaptation of our basic PCB method. We were unable to determine if PCB's were present in the three FMC samples because they contained substances that interfered with our method of detection.

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

dy

DSW 295951

STLCOPCB4065895

Rip Track Wash on 2/18/72

@ wash 1500 gallons

$$1500 \text{ gallons} \times 8.34 \#/\text{gal} = 12,510 \#$$

$$\begin{array}{r} \text{"A" Wash} = 31,087 \text{ ppb} \quad 1242 \\ \underline{23,090} \quad 1254 \\ 54,177 \text{ ppb} \quad \text{total} \end{array}$$

$$\begin{array}{r} \text{"B" Wash} = 3,985 \text{ ppb} \quad 1221 \\ 7,148 \quad 1242 \\ \underline{3,743} \quad 1254 \\ 14,876 \text{ ppb} \quad \text{Total} \end{array}$$

$$\begin{array}{r} 54,177 \\ 14,876 \\ \hline 69,053 \end{array} \div 2 = 34,527 \text{ ppb average}$$

$$\frac{\chi}{12,510} = \frac{34,527}{1 \times 10^9}$$

$$\chi = (3.4527 \times 10^4) (1.251 \times 10^4)$$

$$\chi = 4.3 \times 10^{-1} \quad 1 \times 10^9$$

$$\chi = 0.43 \# \text{ total C}$$

Previous Air Wash Analyses

12/23	MAX	905	152 ppm
12/2	MAX	879	69 ppm
11/9	ICEX	23600	75 ppm
11/11	MX	819	6 ppm
11/1			18 ppm

DSW 295952