

Monsanto

FROM (NAME & LOCATION): E. S. Tucker - R&D Labs - 1700 So. 2nd - St. Louis

DATE : May 19, 1969 cc: R. E. Keller - So. 2nd
C. F. Buckley - WGK
SUBJECT : AROCLOR SAMPLES FROM WGK W. R. Richard - GO
E. P. Wheeler - GO
REFERENCE : P. B. Hodges - GO
TO : Michael A. Pierle
TSD - WGK

Analysis of the WGK sample by EC/GC produced the following results.

	Aroclor 1242 Found
Sludge from Sauget Village Waste Treatment Plant	0.86 $\pm$ 0.02%
Waste Water from Village Effluent	Interference*
Sludge from Mississippi River 300' downstream of Plant Outfall	16.4 $\pm$ 0.3 ppm**
Waste Water from Aroclor Production Department	1.20 $\pm$ 0.05 ppb

*Aroclor 1242 present but the background was so intense a quantitative estimate could not be made. Probably slightly less than solubility limit $\sim$ 10-100 ppb.

**Peaks with longer retention times indicated the presence of Aroclor 1254 so the number shown is slightly high for Aroclor 1242. Content slightly low for the total Aroclor content.

GC/Mass analysis confirmed the presence of mono, di, tri and tetra polychlorinated biphenyls in the Sauget sludge sample.

E. S. Tucker

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