Monsanto

FROM ANNISTON, ALABAMA

DATE January 6, 1966

SUBJECT Aroclor GLC Analysis

REFERENCE

TO D. R. Middleton
WGK

cc: Messrs:
J. R. Savage
D. C. Armstrong
D. E. Harris
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The sample of Aroclor 1242 (Lot KE 474) received from you January 4, 1966, has been analyzed and the data obtained is listed on the attached sheet. Three trials were made to check precision and increase accuracy. To test the reproducibility of the column used in the GLC analyses, a periodical check on the column was made. This check consisted of analyzing a given sample repeatedly over a period of time. Changes in the column performance resulted in a variability of ±5% of the amount present in the 20 to 35 per cent range.

Copies of the chromatograms are available from the laboratory records.

J. A. Liddle

/dp
Att.

DSW 248346

Lot KE-474 (No basket, Lime Treated)

Peak Number	Trial One	Trial Two	Trial Three	Average	Known Isomer
1	0.10	0.11	0.13	0.11	Biphenyl
2	0.08	0.09	0.09	0.09	2-chloro
3,4, & 5	0.03	0.03	0.03	0.03	3-chloro 4-chloro
6 & 7	2.90	2.89	2.89	2.89	2,2'; 2,6
8	0.31	0.31	0.32	0.31	2,5; 2,4
9 & 10	8.78	7.71	8.59	8.36	2,3'; 2,4'; 2,3
11	1.07	1.07	1.10	1.08	3,5
12,13,14, & 15	27.46	27.48	27.34	27.43	3,4; 3,4'; 2,5,2; 4,4'; 2,3,2'
16,17,18,19 & 20	34.98	35.55	35.33	35.29	2,5,4'; 3,4,2'; 2,3,4'
21,22,23, & 24	6.62	6.86	6.80	6.76	
25,26,27, & 28	9.11	9.23	9.22	9.19	3,4,4'
29,30, & 31	5.53	5.60	5.19	5.44	
32,33, & 34	2.13	2.12	2.09	2.11	
35,36,37,38,39, & 40	0.60	0.61	0.60	0.60	
41 & 42	0.17	0.19	0.19	0.18	
43,44, & 45	0.10	0.09	0.09	0.09	
46	0.02	0.02	0.02	0.02	
47	Trace	Trace	Trace	Trace	
48	Trace	Trace	Trace	Trace	
49	Trace	Trace	Trace	Trace	

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