Monsanto

FROM (NAME & LOCATION) E. S. Tucker - R&D Laboratories - South Second Street

DATE May 28, 1970

SUBJECT PCB ANALYSIS OF WATER SAMPLES, CENTRAL FOUNDRY PLANT - BEDFORD, INDIANA

REFERENCE

cc: W. B. Papageorge - GO
E. P. Wheeler/J. T. Garrett - GO
R. E. Keller - Res. 1
W. R. Richard - GO

TO : N. T. Johnson
General Offices

The EC/GC analysis of this second set of settling pond water samples confirmed our earlier results (Memo, NTJ, 2-2-70). The EC chromatogram of the effluent samples from Pond #5 (6A, B), as before, were not identical to either Aroclor 1242 or 1248 but rather like a mixture of the two. This alteration can probably be attributed to some biological or physical phenomenon occurring in the ponds.

The EC chromatograms of all other samples (from Ponds 1-4) were equivalent to that of production Aroclor 1242 in every respect.

The variable results obtained for the duplicate(?) samples is not readily explainable. I have included selected chromatograms for your reference.

OR Log Number	Sample Number	Sampling Point	ppm PCB's as Aroclor 1242
235	1-A	Pond #1	3.90
236	1-B	Pond #1	630
237	2-A	Pond #2	24.2
238	2-B	Pond #2	19.3
239	3-A	Pond #3	14.3
240	3-B	Pond #3	6.6
241	4-A	Pond #4	2.6
242	4-B	Pond #4	2.0
243	5-A	Pond #4 Effluent	4.7
244	5-B	Pond #4 Effluent	2.8
245	6-A	Pond #5 Effluent	1.1
246	6-B	Pond #5 Effluent	1.9

E. S. Tucker

db
Attachment

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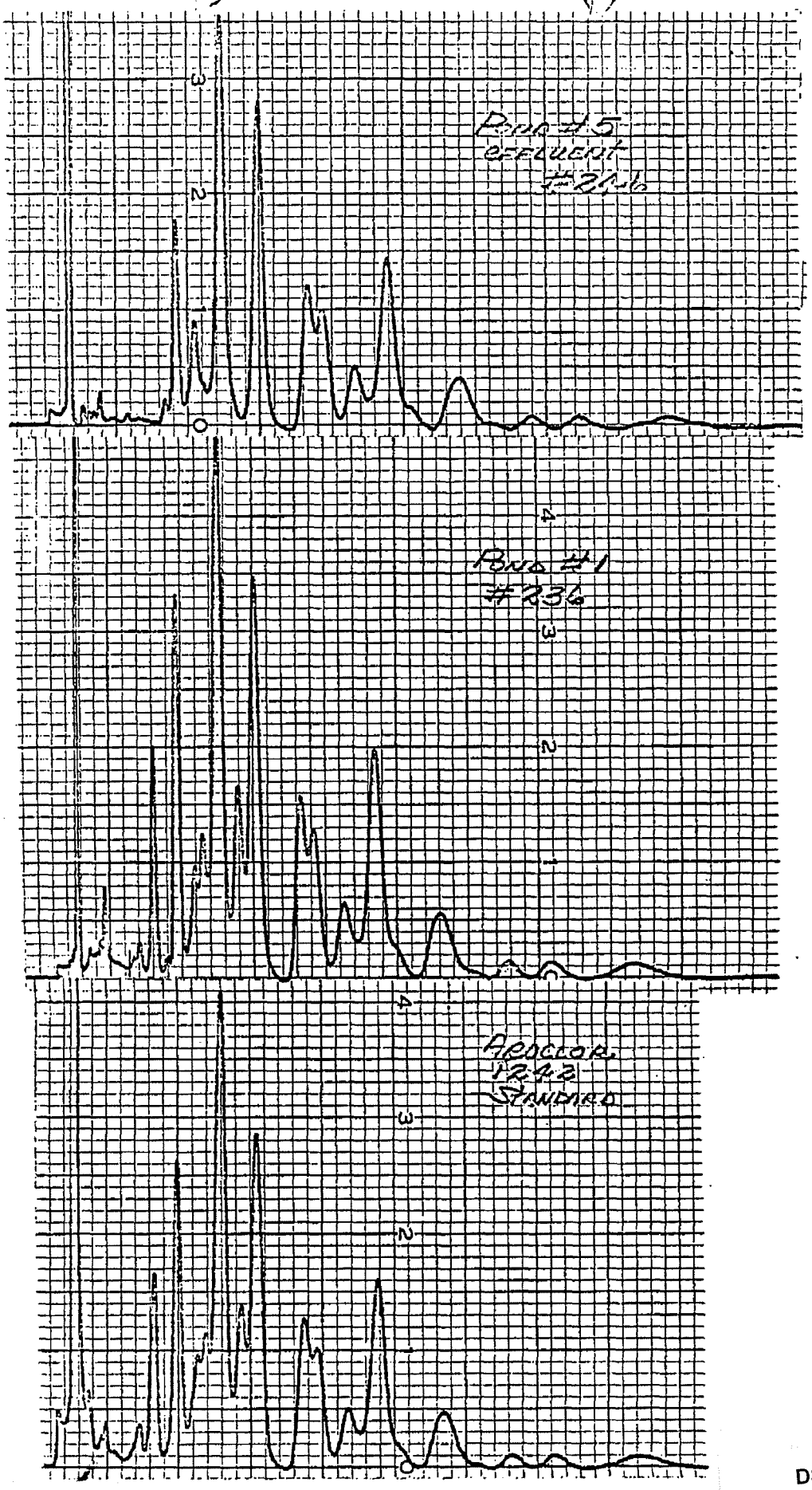

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