Monsanto

FROM (NAME—LOCATION—PHONE) J. D. Wilson - G3WD - 4-8879

DATE : October 12, 1984

SUBJECT : UDRI Pyrolysis Study

REFERENCE :

TO : P. R. Michael - N1E

cc: J. H. Craddock
J. G. Nassif - E2ND
P. Sherman - 1250

One comment: In analyzing the products of incomplete combustion of the PCB mixture, UDRI needs to be able to do analyses for PCDD's which are sufficiently sensitive to reject assertions that, e.g. TCDD's are formed to the extent of 1% of the TCDF's present. The unpublished German report makes this assertion. If UDRI's equipment will not perform at that sensitivity, ESC's Ultratrace Group could help.

If UDRI does find PCDD's from Aroclor 1254, we should probably consider having them look at pyrolysis of a single component, e.g. 2,2',4,4',5,5'-HCBi.

Note that ESC has conducted micro-scale pyrolysis experiments with PCB's, and has standards of PCDF's if congener identification becomes of interest.

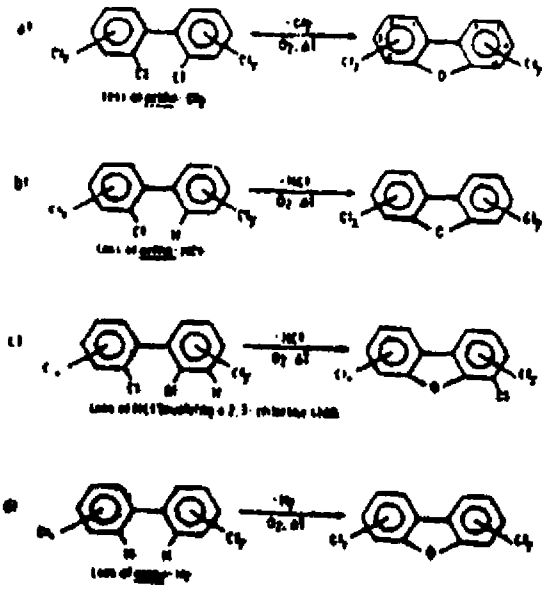
J. D. Wilson

/hmv

MONS 213848

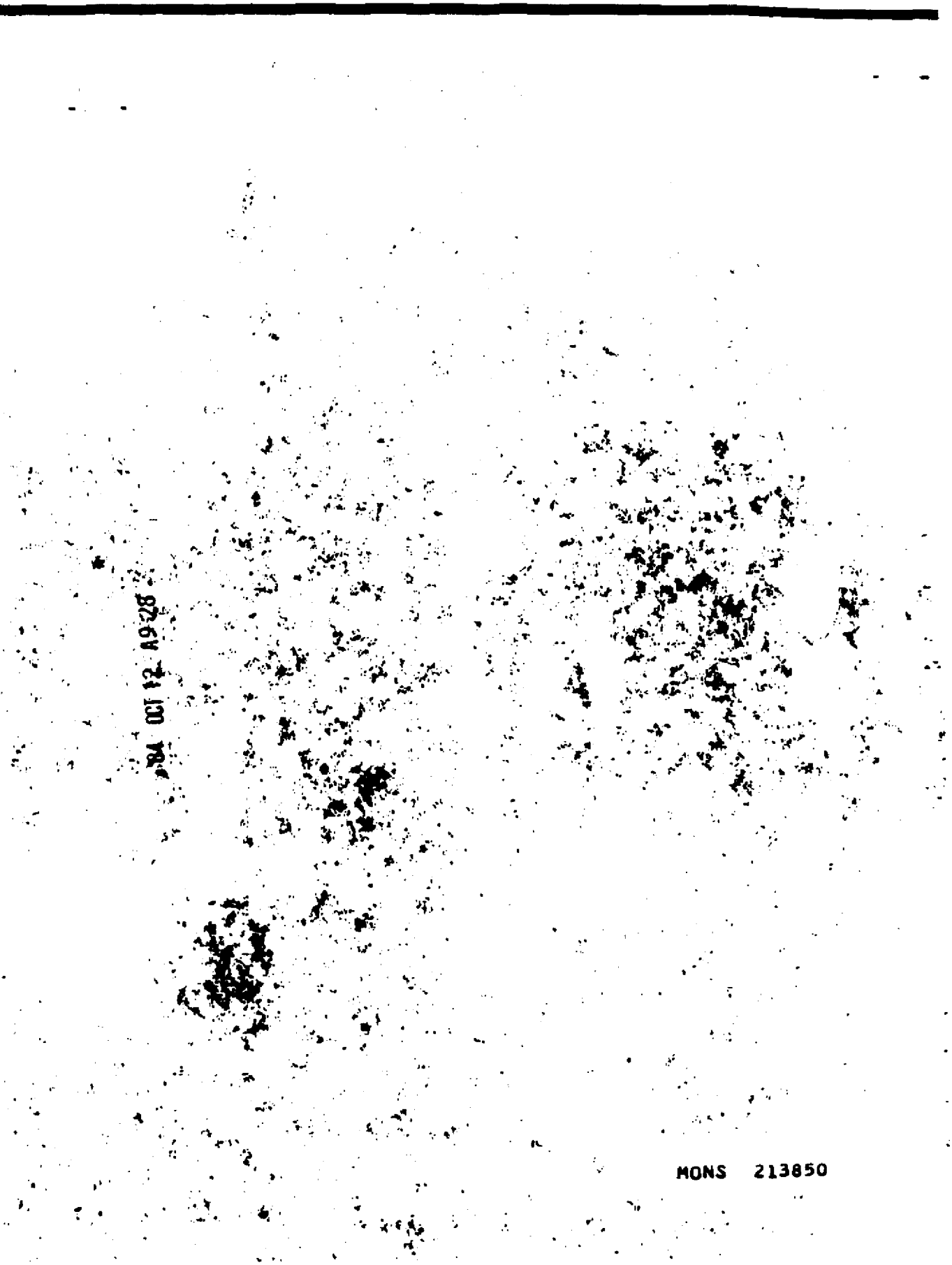
(N-1120

To: Jim Wilson, St Louis G3L0G-



PCB	PCDFs	Mechanism
2,2',5,5'-TCB	2,8-DCDF	a
	1,4,8-T_3CDF	b
	2,4,8-T_3CDF	c
	1,4,6,9-T_4CDF	d
2,2',4,5,5'-PCB	2,3,8-T_3CDF	a
	1,3,4,8-T_4CDF	b
	2,3,4,8 T_4CDF	c
	1,3,4,6,8 P_5-CDF	d
2,2',4,4',5,5'	2,3,7,8-T_4CDF	a
	1,3,4,7,8-P_5CDF	b
	2,3,4,7,8-P_5CDF	c
	1,3,4,6,7,9-H_6CDF	d

Yes, we have the PCBs + their pyrolysates. Fred


84 OCT 12 A9:28
MONS 213850