FF
Aroclor

Monsanto

FROM (NAME & LOCATION) E. S. Tucker - Technology Department - S. Second Street

DATE : February 2, 1971

cc: R. E. Keller - Res. 1
W. R. Richard - GO

SUBJECT : ANALYSIS OF GE PITTSFIELD MILK SAMPLES FOR POLYCHLORINATED BIPHENYLS

REFERENCE :

TO : W. B. Papageorge
General Offices

Two sets of milk samples from GE, Pittsfield, from the same dairy herd have been analyzed for PCB's. The first set of samples were sent in thermos bottles and although the inner liners were broken during shipment, enough sample was obtained for analysis. A second sample was requested to verify the PCB levels found in the first set.

The levels observed are shown in the following table:

OR Log No.	Sample Description	Wet Weight (Whole Milk)	Lipid Wegith (Butterfat)	Average Hexane Soluble Fat
A-1	Hand milked	-	-*	
A-2	Hand milked	52 ppb	1.90 ppm	
B-1	Machine milked	49 ppb	1.79 ppm	3.65%
B-2	Machine milked	44 ppb	1.61 ppm	
1	Composite from	67 ppb	1.77 ppm	
2	Milk Storage	59 ppb	1.54 ppm	3.83%
3	Tanks	70 ppb	1.83 ppm	

*Sample lost during analysis

It is interesting to note that the observed alterations in the EC chromatograms of this milk extract are similar to those seen in the past.

Just to be sure that the drinking water is the source of the problem, I have asked them to send us a sample of the cattle feed.

E. S. Tucker

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