Monsanto

FROM (NAME & LOCATION) J. D. Hinchen - R3B

DATE : February 7, 1977

cc: R. E. Keller - T1B
J. P. Mieure - T2F

SUBJECT : Tissue Residue Study

REFERENCE :

TO : Orville Hicks - T2F

The data which you obtained from the analysis of tissues from the subject 30 day feeding study were fitted to regression equation in order to determine for each fluid, the build-up and depletion of the chemicals in fatty tissue. The equations obtained for the build-up and recovery periods were as follows:

Build-Up:

Log Amt.found = -2.52666 + 0.87230 log feed level + 0.77284 log time (days) + 0.27650 if MCS 1560 + 0.14327 if MCS 1862

The 95% confidence limits were 24% to 411% of the amt. found for individual results.

Recovery:

Log Amt.found = -1.41478 + 0.60920 log feed level + 0.23146 if MCS 1560 - 0.26256 (log days recovery X (log feed level).

The 95% confidence limits were 27 - 369% of the amount found, for individual results.

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DSW 297713

Tissue Residue Study

Compound	Days 2 Sple No.	2 PPM	5 Sple #	5 PPM	10 Sple #	10 PPM	20 Sple #	20 PPM	30 Sple #	30 PPM	32 Sple #	32 PPM	35 Sple #	35 PPM	45 Sple #	45 PPM	55 Sple #	55 PPM	75 Sple #	75 PPM	Level
MCS-1558 75-266	1	0.3	8	0.3	15	0.5	57	0.9	22	0.8	29	—	36	0.2	43	N.D <0.1					50 PPM
	2	3.1	9	3.3	16	5.8	58	3.9	23	4.6	30	2.2	37	1.5	44	N.D <0.1					500 PPM
									23L	<.1											
MCS-1560 75-267	3	0.6	10	1.0	17	1.0	59	1.3	24	2.7	31	0.3	38	0.3	45	N.D <0.2					50 PPM
				4.2																	
	4	8.6	11	(2)	18	13	60	6.2	25	11.7	32	4.9	39	1.4	46	N.D <0.2					500 PPM
									25L	0.1											
MCS-1826 75-268	5	0.8	** (12)	1.0	19	1.3	61	0.6	26	.7	33	0.6	40	0.5	47	N.D <0.1					50 PPM
	6	4.6	13	4.3	20	6.4	62	3.8	27	8.6	34	1.2	41	0.6	48	N.D <0.1					500 PPM
									27L	0.2											
Control	7*	N.D.	14*	N.D.	21*	N.D	63		28	N.D	35		42								
									28L	N.D											

* N.D. – None Detected except for MCS-1560. Numbers corrected for background.

** Appears to be contaminated with MCS-1560.

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