Total Synthetic Chicken Tissues

Biotest Study # J 7300

Toxicity, Reproduction and Residue Study on Aroclor in White Leghorn Chickens

		1) Final Sacrifice						30 Day Chick Sacrifice			1st wk.	2nd. wk.	3rd. wk.	4th wk.	1st wk.	2nd. wk.	3rd. wk.	4th wk.	1st. wk.	2nd wk.	3rd wk.	4th wk.	2) Recovery Sacrifice					
		1ppm		10ppm		100ppm		1ppm	10ppm	100ppm	1ppm				10ppm				100ppm				1ppm		10ppm		100ppm	
		♂	♀	♂	♀	♂	♀	Composite ♂ ♀	Composite ♂ ♀	Composite ♂ ♀	Recovery Period																	
Aroclor 1242	Muscle	28	11	250	103	2234	923																11	5	117	48		433
	Liver	5	8	57	91	680	1077			---													4	6	48	76		907
	Fat	28	11	250	103	2234	923																11	5	117	48		433
	Egg																											
Aroclor 1254	Muscle	73	24	656	211	5880	1890																			80		
	Liver	8	10	91	112	1092	1335																	6				904
	Fat	73	24	656	211	5880	1890																			80		
	Egg																											
Aroclor 1260	Muscle	119	34	1064	309	9528	2697																	11				915
	Liver	12	13	115	125	1102	1198																			76		
	Fat	119	34	1064	309	9528	2697																	11				915
	Egg																											
Control	Muscle			*					*						*										*			
	Liver																											
	Fat																											
	Egg																											

* Common control

1) Between 22nd and 26th week.

2) Between 26th and 30th week.

DSW 321250

STLCOPCB4072830

Total Equation Chicken Tissues

Biotest Study # J8746

Toxicity, Reproduction and Residue Study on Aroclor in White Leghorn Chickens

		1) Final Sacrifice						30 Day Chick Sacrifice			1st wk.	2nd wk.	3rd wk.	4th wk.	1st wk.	2nd wk.	3rd wk.	4th wk.	1st wk.	2nd wk.	3rd wk.	4th wk.	2) Recovery Sacrifice					
		2ppm		4ppm		18ppm		2ppm	4ppm	8ppm	2ppm				4ppm				8ppm				2ppm		4ppm		8ppm	
		♂	♀	♂	♀	♂	♀	Composite ♂ ♀	Composite ♂ ♀	Composite ♂ ♀	Recovery Period												♂	♀	♂	♀	♂	♀
Aroclor 1242	Muscle		37		70		130																	16		33		61
	Liver		13		27		57																	11		23		50
	Fat		37		70		130																	16		33		61
	Egg																											
Control	Muscle			*					*						*										*			
	Liver																											
	Fat																											
	Egg																											

* Common control
1) Between 22nd and 26th week.
2) Between 26th and 30th week.

♂ & ♀ Composite

DSW 321251

STLCOPCB4072831

#3

Selected Interaction Equation - Chicken Tissue

log ppm = -0.53106 + 0.98580 (log feed level) + 0.04376 ($\%Cl_2$) + 0.29083 (if recovery liver) - 0.00561 ($\%Cl_2$ if liver) - 0.00782 ($\%Cl_2$ if recovery) - 0.02265 ($\%Cl_2$ if female) + 0.73438 (if female)

log Std Dev 0.20104

Reported Data

DSW 321252

Selected Interaction Equation Chicken Tissues

Biotest Study # J7300

Toxicity, Reproduction and Residue Study on Aroclor in White Leghorn Chickens

		1) Final Sacrifice						30 Day Chick Sacrifice			1st wk.	2nd wk.	3rd wk.	4th wk.	1st wk.	2nd wk.	3rd wk.	4th wk.	1st wk.	2nd wk.	3rd wk.	4th wk.	2) Recovery Sacrifice					
		1ppm		10ppm		100ppm		1ppm	10ppm	100ppm	1ppm				10ppm				100ppm				1ppm		10ppm		100ppm	
		♂	♀	♂	♀	♂	♀	Composite ♂♀	Composite ♂♀	Composite ♂♀	Recovery Period												♂	♀	♂	♀	♂	♀
Aroclor 1242	Muscle	20	12	196	119	1899	1152																10	6	92	56	893	541
	Liver	12	7	114	69	1104	669																12	7	104	63	1013	614
	Fat	20	12	196	119	1899	1152																10	6	92	56	893	541
	Egg																											
Aroclor 1254	Muscle	68	22	657	213	6358	2064																26	8	249	81	2408	782
	Liver	34	11	326	106	3163	1027																25	8	243	79	2338	759
	Fat	68	22	657	213	6358	2064																26	8	249	81	2408	782
	Egg																											
Aroclor 1260	Muscle	124	29	1196	284	11643	2762																42	10	379	90	3949	938
	Liver	57	24	552	131	5366	1275																42	10	366	87	3557	845
	Fat	124	29	1196	284	11643	2762																42	10	379	90	3949	938
	Egg																											
Control	Muscle			*					*						*										*			
	Liver																											
	Fat																											
	Egg																											

* Common control
1) Between 22nd and 26th week.
2) Between 26th and 30th week.

DSW 321253

STLCOPCB4072833