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Polionotus

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Table 13 Summary of Body Weights and Organ Weights Data of Male Peromyscus polionotus Dusted with Alumina Gel Containing No TCDD (Control) or Containing 2.5 Parts Per Billion TCDD (Treated).

		No. of Items	Mean	Median	Stdevs	Range	S.E. Mean	S.D.
Body Wt.	Control	6	13.17	13.04	+0.610	12.60 - 14.38	0.26	0.64
	Treated	7	14.72	14.12	+0.978	12.77 - 18.02	0.694	1.84
Liver	Control	6	0.656	0.666	-0.550	0.577 - 0.718	0.022	0.055
	Treated	7	0.758	0.779	-0.508	0.542 - 0.953	0.047	0.124
Spleen	Control	6	14.33	13.5	+0.576	10.0 - 23.0	1.76	4.32
	Treated	7	25.71	24.0	+0.757	19.0 - 37.0	2.56	6.78
Adrenal	Control	6	29.00	26.5	+1.020	22.0 - 43.0	2.99	7.32
	Treated	7	36.86	34.0	+0.747	25.0 - 59.0	4.33	11.48
Kidney	Control	6	182.83	193.5	-0.980	118.0 - 207.0	13.3	32.59
	Treated	7	218.29	225.0	-1.081	189.0 - 246.0	7.02	18.59
Heart	Control	6	109.83	107.5	+0.220	75.0 - 158.0	12.8	31.29
	Treated	7	127.00	122.0	+0.860	105.0 - 156.0	6.58	17.44
Lung	Control Treated	6	102.17	98.0	+0.740	79.0 - 125.0	6.86	16.81
	Treated	7	99.86	92.0	+1.769	88.0 - 123.0	5.03	13.33

Table 44 Summary of Body weights and Organ weights Data of Female Peromyscus polionotus Dusted With Alumina Gel Containing No TCDD (Control) or Containing 2.5 Parts Per Billion TCDD (Treated).

		No. of Items	Mean	Median	Skewness	Range	S.E. Mean	S.D.
Body Wt.	Control	4	15.00	15.52	-0.563	11.43 - 17.55	1.38	2.77
	Treated	5	13.04	12.61	+0.970	11.78 - 14.99	0.594	1.33
Liver	Control	4	0.840	0.888	-0.847	0.606 - 0.980	0.08	0.170
	Treated	5	0.760	0.751	+0.223	0.593 - 0.912	0.054	0.121
Spleen	Control	4	21.00	22.0	-0.567	14.0 - 26.0	2.64	5.29
	Treated	5	14.20	14.0	+0.183	9.0 - 17.0	1.46	3.27
Adrenal	Control	4	41.00	43.5	-0.809	28.0 - 49.0	4.64	9.27
	Treated	5	28.80	30.0	-0.650	20.0 - 35.0	2.47	5.54
Kidney	Control	4	236.00	242.5	-0.736	201.0 - 258.0	13.2	26.5
	Treated	5	226.4	219.0	+0.627	195.0 - 279.0	15.79	35.38
Heart	Control	4	123.00	122.0	+0.110	92.0 - 156.0	13.7	27.39
	Treated	5	113.0	117.0	-0.938	98.0 - 126.0	5.71	12.79
Lung	Control	4	98.25	100.5	-0.480	80.0 - 112.0	7.03	14.06
	Treated	5	95.4	88.0	+1.399	80.0 - 113.0	7.08	15.87

Table #7 Summary of Organ Weights Data, Expressed as Percent of Body Weight, of Male Peromyscus polionotus Dusted with Alumina Gel Containing No TCDD (Control) or Containing 2.5 Parts Per Billion TCDD (Treated).

Item		No. of Items	Mean	Median	Skewness	Range	S.E. Mean	S.D.
Liver	Control	6	4.98	4.86	+1.000	4.58 - 5.54	0.147	0.36
	Treated	7	5.16	5.40	-0.973	4.24 - 6.06	0.219	0.74
Spleen	Control	6	0.11	0.10	+1.000	0.08 - 0.15	0.012	0.03
	Treated	7	0.18	0.16	+1.500	0.14 - 0.24	0.015	0.04
Adrenal	Control	6	0.22	0.21	+0.600	0.17 - 0.32	0.020	0.05
	Treated	7	0.25	0.25	0	0.16 - 0.38	0.026	0.07
Kidney	Control	6	1.39	1.46	-0.840	0.89 - 1.58	0.102	0.25
	Treated	7	1.50	1.48	+0.333	1.25 - 1.80	0.068	0.18
Heart	Control	6	0.84	0.83	+0.120	0.56 - 1.22	0.102	0.25
	Treated	7	0.87	0.87	0	0.77 - 0.96	0.026	0.07
Lung	Control	6	0.77	0.76	+0.270	0.60 - 0.91	0.045	0.11
	Treated	7	0.68	0.68	0	0.58 - 0.77	0.023	0.06

Table #8 Summary of Organ Weights Data, Expressed as Percent of Body Weight, of Female Peromyscus polionotus Dusted With Alumina Gel Containing No TCDD (Control) or Containing 2.5 Parts Per Billion TCDD (Treated).

Item		No. of Items	Mean	Median	Skewness	Range	S.E. Mean	S.D.
Liver	Control	4	5.59	5.61	-0.222	5.30 - 5.83	0.135	0.27
	Treated	5	5.81	5.96	-1.023	5.03 - 6.08	0.196	0.44
Spleen	Control	4	0.14	0.14	0	0.12 - 0.15	0.005	0.01
	Treated	5	0.11	0.11	0	0.07 - 0.14	0.013	0.03
Adrenal	Control	4	0.28	0.26	+0.667	0.20 - 0.40	0.045	0.09
	Treated	5	0.22	0.23	-1.000	0.17 - 0.25	0.013	0.03
Kidney	Control	4	1.59	1.57	+0.462	1.47 - 1.76	0.065	0.13
	Treated	5	1.73	1.74	-0.333	1.62 - 1.86	0.040	0.09
Heart	Control	4	0.82	0.84	-0.500	0.67 - 0.93	0.06	0.12
	Treated	5	0.87	0.84	+1.125	0.80 - 0.99	0.036	0.08
Lung	Control	4	0.66	0.66	0	0.63 - 0.70	0.015	0.03
	Treated	5	0.73	0.70	+0.900	0.64 - 0.89	0.045	0.10

Table 1. Summary of Hepatic Morphometric Data for Male Peromyscus polionotus Dusted with Alumina Gel Containing No TCDD (Control) or 2.5 Parts Per Billion TCDD (Treated).

Count	Treatment	No. of Items	Mean	Median	Stewness	Range	S.E. Mean	S.D
Total	Control	6	426.0	415.9	+0.497	359.4 - 524.4	24.9	61.0 60.96
	Treated	7	380.4	379.0	+0.100	333.0 - 437.0	15.8	41.8
MITO	Control	6	108.4	111.4	-0.479	84.2 - 137.0	7.7	18.8
	Treated	7	101.8	96.4	+0.885	84.2 - 134.0	6.9	18.3
L. MITO	Control	6	26.7	26.0	+0.120	7.2 - 46.6	7.1	17.5
	Treated	7	24.9	22.4	+1.250	18.6 - 35.4	2.3	6.0
RER	Control	6	63.9	60.1	+0.919	49.6 - 84.4	5.1	12.4
	Treated	7	65.8	67.4	-0.449	54.6 - 86.4	4.0	10.7
SER	Control	6	165.4	160.8	+0.346	126.8 - 229.4	16.3	39.9
	Treated	7	148.1	143.4	+0.603	115.4 - 183.6	8.8	23.4

Table . Summary of Hepatic Morphometric Data for Female Peromyscus polionotus Dusted with Alumina Gel Containing No TCDD (Control) or 2.5 Parts Per Billion TCDD (Treated).

Count	Treatment	No. of Items	Mean	Median	Skewness	Range	S.E. Mean	S.D.
Total	Control	4	383.8	388.3	-0.166	280.8 - 477.8	40.6	81.2
	Treated	5	402.9	435.6	-1.225	284.5 - 473.4	35.6	80.1
MITO	Control	4	91.0	84.7	+0.756	69.8 - 124.6	12.5	25.0
	Treated	5	95.2	102.6	-0.877	66.7 - 125.8	11.3	25.3
d. MITO	Control	4	21.4	21.2	+0.071	13.3 - 30.0	4.2	8.5
	Treated	5	22.3	14.8	+1.679	9.8 - 38.3	6.0	13.4
RER	Control	4	54.4	51.5	+0.569	39.5 - 75.0	7.6	15.3
	Treated	5	59.9	60.0	-0.033	48.0 - 73.8	4.1	9.2
SER	Control	4	142.2	152.9	+1.372	107.3 - 155.8	11.7	23.4
	Treated	5	159.6	170.0	-0.836	102.8 - 204.6	16.7	37.3

Table: Summary of Hepatic Morphometric Data, Expressed As Ratios, For Male Peromyscus polionotus, Dusted with Alumina Gel Containing No TCDD (Control) or 2.5 Part Per Billion TCDD (Treated).

Count Ratios	Treatment	No. of Items	Mean	Median	Skewness	Range	S.E. Mean	S.D.
H170/TOT	Control	6	0.253	0.257	-0.364	0.210 - 0.295	0.013	0.033
	Treated	7	0.269	0.254	+0.957	0.216 - 0.340	0.018	0.047
Δ.H170/H170	Control	6	0.213	0.208	+0.143	0.083 - 0.349	0.043	0.105
	Treated	7	0.230	0.231	-0.065	0.153 - 0.285	0.017	0.046
RER/TOT	Control	6	0.152	0.146	+0.818	0.128 - 0.189	0.009	0.022
	Treated	7	0.174	0.160	+1.556	0.143 - 0.208	0.009 0.010	0.027
SER/TOT	Control	6	0.383	0.382	+0.079	0.340 - 0.436	0.016	0.038
	Treated	7	0.387	0.392	-0.455	0.328 - 0.423	0.012	0.033
RER/SER	Control	6	0.408	0.392	+0.571	0.323 - 0.566	0.034	0.084
	Treated	7	0.460	0.422	+1.163	0.346 - 0.614	0.037	0.098

Table 1. Summary of Hepatic Morphometric Data, Expressed As Ratios, For Female Peromyscus polionotus, Dusted With Alumina Gel Containing NO TCDD (Control) or 2.5 Parts Per Billion TCDD (Treated).

COUNT Ratios	Treatment	No. of Items	Mean	Median	Skewness Stewness	Range	S.E. Mean	S.D.
MITO/TOT	Control	4	0.239	0.254	-1.184	0.183 - 0.264	0.019	0.038
	Treated	5	0.234	0.234	0	0.200 - 0.266	0.010	0.023
L.MITO/MITO	Control	4	0.232	0.235	-0.196	0.174 - 0.286	0.023	0.046
	Treated	5	0.212	0.175	+1.207	0.119 - 0.321	0.041	0.092
RER/TOT	Control	4	0.144	0.150	-1.200	0.122 - 0.155	0.008	0.015
	Treated	5	0.156	0.136	+1.622	0.123 - 0.215	0.017	0.037
SER/TOT	Control	4	0.373	0.384	-0.943	0.324 - 0.400	0.018	0.035
	Treated	5	0.396	0.394	+0.214	0.367 - 0.426	0.012	0.028
RER/SER	Control	4	0.397	0.395	+0.097	0.328 - 0.471	0.031	0.062
	Treated	5	0.400	0.369	+0.795	0.293 - 0.586	0.052	0.117

TABLE 1. BODY WEIGHTS, ORGAN WEIGHTS, AND HEPATIC MORPHOMETRIC DATA OF CONTROL AND TREATED PEROMYSCUS POLIONOTUS OBTAINED IN JUNE 1974, TEST AREA C-52A, EGLIN AFB, FLORIDA

LOCA- TION	SEX	SPECI- MEN #	BODY WT (GM)	LIVER WT (GM)	SPLEEN WT (MG)	ADRENAL WT (MG)	KIDNEY WT (MG)	HEART WT (MG)	LUNG WT (MG)	TOTAL COUNT	MITO COUNT	DAMAGED MITO COUNT	RER COUNT	SER COUNT
C*	M**	L-118	12.75	.530	20	14	174	105	102	549.0	140.3	6.0	52.4	273.9
C	M	L-148	14.65	.811	17	32	226	108	119	438.4	100.2	0	89.6	192.8
C	M	L-194	10.44	.580	16	17	174	84	94	321.0	63.2	6.2	95.2	138.0
C	M	L-230	12.62	.778	12	20	183	93	68	434.4	63.6	9.8	65.2	201.2
C	M	L-499	11.72	.726	15	28	211	90	110	378.8	59.6	2.4	78.6	146.6
C	M	L-841	11.70	.537	16	11	195	130	92	374.6	102.2	1.8	94.2	110.6
C	M	L-886	12.59	.495	14	23	207	96	112	353.8	105.4	10.2	59.0	135.8
C	M	L-917	12.66	.524	21	18	199	113	108	273.9	71.4	9.6	49.9	116.4
C	M	L-932	11.45	.548	20	21	171	100	96	225.3	47.9	1.6	67.9	58.9
C	F	L-322	10.23	.679	25	12	170	84	88	506.0	119.0	14.8	115.8	210.6
C	F	L-473	9.93	.730	30	26	168	64	75	275.2	41.6	7.8	91.6	120.6
C	F	L-661	16.40	.864	24	26	253	102	120	324.9	92.0	9.9	59.7	122.1
C	F	L-666	12.96	.831	24	20	195	94	106	308.8	67.5	1.5	58.5	136.2
C	F	L-671	11.61	.642	26	17	171	77	99	445.0	81.4	1.0	140.6	128.8
C	F	L-744	7.77	.303	14	12	125	53	82	170.9	73.2	0.4	23.7	58.4
T	M	L-051	11.49	.824	29	30	201	113	103	326.2	82.8	16.2	27.2	156.2
T	M	L-249	10.06	.529	14	18	187	73	80	269.8	58.0	0.2	40.8	108.0
T	M	L-529	11.09	.635	9	22	174	84	81	405.2	94.4	1.8	76.2	182.4
T	M	L-555	10.05	.436	12	18	204	149	124	265.5	102.5	0	41.0	97.0

TABLE 1. PEROMYSCUS POLIONOTUS (CONTINUED)

LOCA- TION	SEX	SPECI- MEN #	BODY WT (GM)	LIVER WT (GM)	SPLEEN WT (MG)	ADRENAL WT (MG)	KIDNEY WT (MG)	HEART WT (MG)	LUNG WT (MG)	TOTAL COUNT	MITO COUNT	DAMAGED MITO COUNT	RER COUNT	SER COUNT
T	M	L-579	11.74	.797	45	22	191	70	85	390.5	67.5	1.5	34.0	230.0
T	M	L-611	13.63	.696	11	27	196	97	112	451.0	74.4	3.2	75.8	139.4
T	M	L-729	11.63	.750	35	27	204	82	84	277.8	56.4	0	55.0	128.0
T	M	L-751	9.24	1.017	17	10	203	90	78	439.3	104.3	9.3	54.7	226.7
T	M	L-805	12.25	.696	16	31	234	97	124	211.8	49.6	0.2	39.2	102.6
T	M	L-959	9.32	.725	37	15	168	80	95	353.8	81.3	8.2	78.3	132.7
T	F	L-009	13.49	.922	11	16	249	114	130	418.0	82.8	2.5	84.5	225.0
T	F	L-251	8.63	.493	17	10	147	91	82	185.0	52.7	6.0	39.3	67.3
T	F	L-538	16.32	1.044	55	24	241	108	82	333.0	87.6	5.0	77.2	144.0
T	F	L-558	9.46	.828	54	16	163	81	83	410.2	75.5	0	60.2	223.8
T	F	L-797	15.57	.926	17	19	216	111	90	400.0	93.8	1.8	73.0	175.2
CONTROL MALE			12.29	.614	16.78	20.44	193.33	102.11	100.11	372.1	83.76	5.29	72.44	152.69
			±1.17	±.122	±3.03	±6.58	±19.22	±13.87	±15.05	±96.02	±29.85	±3.98	±17.63	±62.33
CONTROL FEMALE			11.48	.675	23.83	18.83	180.33	79.0	95.0	338.5	79.12	5.9	81.65	129.45
			±2.97	±.201	±5.31	±6.34	±42.20	±18.35	±16.61	±120.47	±25.84	±5.87	±42.70	±48.60
TREATED MALE			11.05	.710	22.5	22.00	196.2	93.5	96.6	339.1	77.12	4.06	52.22	150.3
			±1.39	±.160	±12.84	±6.83	±18.32	±23.27	±18.08	±81.74	±19.39	±5.45	±18.88	±48.40

TABLE 1. PEROMYSCUS POLIONOTUS (CONTINUED)

<u>LOCA-</u> <u>TION</u>	<u>SEX</u>	<u>SPECI-</u> <u>MEN #</u>	<u>BODY</u> <u>WT</u> <u>(GM)</u>	<u>LIVER</u> <u>WT</u> <u>(GM)</u>	<u>SPLEEN</u> <u>WT</u> <u>(MG)</u>	<u>ADRENAL</u> <u>WT</u> <u>(MG)</u>	<u>KIDNEY</u> <u>WT</u> <u>(MG)</u>	<u>HEART</u> <u>WT</u> <u>(MG)</u>	<u>LUNG</u> <u>WT</u> <u>(MG)</u>	<u>TOTAL</u> <u>COUNT</u>	<u>MITO</u> <u>COUNT</u>	<u>DAMAGED</u> <u>MITO</u> <u>COUNT</u>	<u>RER</u> <u>COUNT</u>	<u>SER</u> <u>COUNT</u>
TREATED	FEMALE		12.69	.843	30.8	17.00	203.2	101.0	93.4	349.2	78.48	3.06	66.84	167.06
			±3.50	±.210	±21.78	±5.10	±46.00	±14.30	±20.73	±97.80	±15.89	±2.43	±17.75	±65.43

* C - Control, T - Treated

** M - Male, F - Female

TABLE 2. ORGAN WEIGHTS, EXPRESSED AS PERCENT OF BODY WEIGHT,
FOR CONTROL AND TREATED PEROMYSCUS POLIONOTUS
OBTAINED IN JUNE 1974, TEST AREA C-52A, EGLIN AFB,
FLORIDA

<u>LOCATION</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>LIVER</u>	<u>SPLEEN</u>	<u>ADRENAL</u>	<u>KIDNEY</u>	<u>HEART</u>	<u>LUNG</u>
C*	M**	L-118	4.16	0.16	0.11	1.36	0.82	0.80
C	M	L-148	5.54	0.12	0.22	1.54	0.74	0.81
C	M	L-194	5.56	0.15	0.16	1.67	0.80	0.90
C	M	L-230	6.16	0.10	0.16	1.45	0.74	0.54
C	M	L-499	6.19	0.13	0.24	1.80	0.77	0.94
C	M	L-841	4.59	0.14	0.09	1.67	1.11	0.79
C	M	L-886	3.93	0.11	0.18	1.64	0.76	0.89
C	M	L-917	4.14	0.17	0.14	1.57	0.89	0.85
C	M	L-932	4.79	0.17	0.18	1.49	0.87	0.84
C	F	L-322	6.64	0.24	0.12	1.66	0.82	0.86
C	F	L-473	7.35	0.30	0.26	1.69	0.64	0.76
C	F	L-661	5.27	0.15	0.16	1.54	0.62	0.73
C	F	L-666	6.41	0.19	0.15	1.50	0.73	0.82
C	F	L-671	5.53	0.22	0.15	1.47	0.66	0.85
C	F	L-744	3.90	0.18	0.15	1.61	0.68	1.06
T	M	L-051	7.17	0.25	0.26	1.75	0.98	0.90
T	M	L-249	5.26	0.14	0.18	1.86	0.73	0.80
T	M	L-529	5.73	0.08	0.20	1.57	0.76	0.73
T	M	L-555	4.34	0.12	0.18	2.03	1.48	1.23
T	M	L-579	6.79	0.38	0.19	1.63	0.60	0.72
T	M	L-611	5.11	0.08	0.20	1.44	0.71	0.82
T	M	L-729	6.45	0.30	0.23	1.75	0.71	0.72
T	M	L-751	11.01	0.18	0.11	2.20	0.97	0.84
T	M	L-805	5.68	0.13	0.25	1.91	0.79	1.01
T	M	L-959	7.78	0.40	0.16	1.80	0.86	1.02
T	F	L-009	6.83	0.08	0.12	1.85	0.85	0.96
T	F	L-251	5.71	0.20	0.12	1.70	1.05	0.95
T	F	L-538	6.40	0.34	0.15	1.48	0.66	0.50
T	F	L-558	8.75	0.57	0.17	1.72	0.86	0.88
T	F	L-797	5.95	0.11	0.12	1.39	0.71	0.58

TABLE 2. PEROMYSCUS POLIONOTUS (CONTINUED)

<u>LOCATION</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>LIVER</u>	<u>SPLEEN</u>	<u>ADRENAL</u>	<u>KIDNEY</u>	<u>HEART</u>	<u>LUNG</u>
CONTROL	MALE		5.01	0.14	0.16	1.58	0.83	0.82
			±0.88	±0.03	±0.05	±0.13	±0.12	±0.12
CONTROL	FEMALE		5.85	0.21	0.16	1.58	0.69	0.85
			±1.22	±0.05	±0.05	±0.09	±0.07	±0.12
TREATED	MALE		6.53	0.21	0.20	1.80	0.86	0.88
			±1.88	±0.12	±0.04	±0.22	±0.25	±0.16
TREATED	FEMALE		6.73	0.26	0.14	1.63	0.83	0.77
			±1.21	±0.20	±0.02	±0.19	±0.15	±0.22

* C - Control, T - Treated

** M - Male, F - Female

TABLE 3. HEPATIC MORPHOMETRIC DATA, EXPRESSED AS RATIOS, FOR CONTROL AND TREATED PEROMYSCUS POLIONOTUS OBTAINED IN JUNE 1974, TEST AREA C-52A, EGLIN AFB, FLORIDA

LOCATION	SEX	SPECI- MEN #	MITO/TOT	d.MITO/MITO	RER/TOT	SER/TOT	RER/SER
C*	M**	L-118	.272	.044	.105	.481	.226
C	M	L-148	.228	.001	.207	.436	.476
C	M	L-194	.199	.075	.287	.432	.666
C	M	L-230	.148	.150	.150	.490	.334
C	M	L-499	.160	.040	.211	.377	.529
C	M	L-841	.272	.017	.249	.299	.878
C	M	L-886	.297	.088	.166	.385	.454
C	M	L-917	.264	.151	.185	.421	.438
C	M	L-932	.212	.032	.303	.267	1.258
C	F	L-322	.228	.125	.232	.409	.578
C	F	L-473	.150	.213	.340	.435	.837
C	F	L-661	.286	.121	.182	.376	.487
C	F	L-666	.223	.021	.182	.443	.419
C	F	L-671	.192	.011	.313	.294	1.102
C	F	L-744	.428	.005	.138	.343	.415
T	M	L-051	.255	.201	.083	.476	.176
T	M	L-249	.211	.002	.164	.410	.409
T	M	L-529	.234	.019	.187	.452	.424
T	M	L-555	.372	.001	.158	.376	.421
T	M	L-579	.178	.022	.084	.589	.143
T	M	L-611	.162	.059	.171	.304	.576
T	M	L-729	.198	.001	.199	.457	.438
T	M	L-751	.238	.082	.122	.524	.238
T	M	L-805	.231	.003	.180	.488	.389
T	M	L-959	.226	.067	.219	.386	.594
T	F	L-009	.201	.037	.213	.511	.435
T	F	L-251	.270	.111	.218	.358	.640
T	F	L-538	.258	.052	.234	.434	.550
T	F	L-558	.183	.001	.147	.549	.271
T	F	L-797	.242	.022	.197	.424	.489

TABLE 3. PEROMYSCUS POLIONOTUS (CONTINUED)

<u>LOCATION</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>MITO/TOT</u>	<u>d.MITO/MITO</u>	<u>RER/TOT</u>	<u>SER/TOT</u>	<u>RER/SER</u>
CONTROL MALE			0.228	0.066	0.207	0.399	0.584
			±0.052	±0.055	±0.064	±0.076	±0.314
CONTROL FEMALE			0.251	0.083	0.231	0.383	0.640
			±0.098	±0.084	±0.080	±0.058	±0.275
TREATED MALE			0.230	0.046	0.157	0.446	0.381
			±0.057	±0.062	±0.046	±0.081	±0.153
TREATED FEMALE			0.231	0.045	0.202	0.455	0.477
			±0.037	±0.042	±0.033	±0.075	±0.138

* C - Control, T - Treated

** M - Male, F - Female

TABLE 4. BODY WEIGHTS, ORGAN WEIGHTS, AND HEPATIC MORPHOMETRIC DATA FOR PEROMYSCUS POLIONOTUS DUSTED WITH ALUMINA GEL CONTAINING NO TCDD (CONTROL) OR ALUMINA GEL CONTAINING 2.5 PARTS PER BILLION TCDD (TEST GROUP)

TREAT- MENT	SEX	SPECI- MEN #	BODY WT (GM)	LIVER WT (GM)	SPLEEN WT (MG)	ADRENAL WT (MG)	KIDNEY WT (MG)	HEART WT (MG)	LUNG WT (MG)	TOTAL COUNT	MITO COUNT	DAMAGED MITO COUNT	RER COUNT	SER COUNT
C*	M**	069	12.97	.718	14	27	190	158	118	386.0	84.2	10.2	71.8	131.4
C	M	323	14.38	.686	13	26	207	81	125	445.6	115.2	7.2	57.4	181.4
C	M	626	12.72	.610	10	22	186	75	95	455.0	137.0	44.4	62.8	183.0
C	M	628	13.26	.698	19	43	118	100	101	359.4	91.4	16.8	49.6	126.8
C	M	655	12.60	.577	10	26	199	115	95	524.4	112.6	35.2	84.4	229.4
C	M	669	13.10	.645	23	30	197	130	79	386.2	110.2	46.6	57.4	140.2
C	F	112	16.80	.980	24	49	255	112	106	400.0	74.2	15.0	47.2	155.8
C	F	274	14.23	.825	20	28	230	132	95	280.8	69.8	13.3	39.5	107.3
C	F	591	11.43	.606	14	46	201	92	80	376.6	95.2	27.4	55.8	150.2
C	F	696	17.55	.951	26	41	258	156	112	477.8	124.6	30.0	75.0	155.6
T	M	221	18.02	.790	25	42	225	156	123	432.0	91.8	22.2	85.4	168.2
T	M	296	13.20	.713	24	39	202	119	92	437.0	96.4	28.8	67.4	183.6
T	M	372	14.12	.779	22	27	226	116	109	349.8	88.4	19.4	69.2	115.4
T	M	446	13.65	.805	19	34	246	105	88	343.6	97.4	27.8	55.0	133.2
T	M	528	12.77	.542	20	32	189	122	90	379.0	120.4	18.6	54.6	159.0
T	M	742	15.57	.723	33	59	214	127	90	333.0	84.2	22.4	69.0	134.2
T	M	966	15.72	.953	37	25	226	144	107	388.2	134.0	35.4	59.8	143.4
T	F	054	13.77	.832	9	31	243	123	88	284.5	66.7	9.8	60.2	102.8

TABLE 4. PEROMYSCUS POLIONOTUS (CONTINUED)

TREAT- MENT	SEX	SPECI- MEN #	BODY WT (GM)	LIVER WT (GM)	SPLEEN WT (MG)	ADRENAL WT (MG)	KIDNEY WT (MG)	HEART WT (MG)	LUNG WT (MG)	TOTAL COUNT	MITO COUNT	DAMAGED MITO COUNT	RER COUNT	SER COUNT
T	F	073	12.61	.751	14	28	219	101	112	462.7	125.8	38.3	60.0	170.0
T	F	224	12.07	.714	17	30	195	98	84	358.2	71.6	13.2	48.0	150.2
T	F	444	11.78	.593	17	20	196	117	80	435.6	102.6	14.8	73.8	170.4
T	F	641	14.99	.912	14	35	279	126	113	473.4	109.2	35.4	57.6	204.6
CONTROL MALE			13.17	0.656	14.33	29.00	182.83	109.83	102.17	426.10	108.43	26.73	63.90	165.37
			±0.64	±0.055	±4.32	±7.32	±32.59	±31.29	±16.81	±60.87	±18.76	±17.50	±12.43	±39.86
CONTROL FEMALE			15.00	0.840	21.00	41.00	236.00	123.00	98.25	383.80	90.95	21.42	54.38	142.22
			±2.77	±0.170	±5.29	±9.27	±26.50	±27.39	±14.06	±81.16	±25.02	±8.50	±15.28	23.43
TREATED MALE			14.72	0.758	25.71	36.86	218.29	127.00	99.86	380.37	101.80	24.94	65.77	148.14
			±1.84	±0.124	±6.78	±11.48	±18.59	±17.44	±13.33	±41.77	±18.35	±6.02	±10.70	±23.42
TREATED FEMALE			13.04	0.760	14.20	28.80	226.40	113.00	95.40	402.88	95.18	22.30	59.92	159.60
			±1.33	±0.121	±3.27	±5.54	±35.38	±12.79	±15.87	±80.05	±25.28	±13.44	±9.22	±37.30

* C - Control, T - Treated

** M - Male, F - Female

TABLE 5. ORGAN WEIGHTS, EXPRESSED AS PERCENT OF BODY WEIGHT, FOR PEROMYSCUS POLIONOTUS DUSTED WITH ALUMINA GEL CONTAINING NO TCDD (CONTROL) OR ALUMINA GEL CONTAINING 2.5 PARTS PER BILLION TCDD (TEST GROUP)

<u>TREATMENT</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>LIVER</u>	<u>SPLEEN</u>	<u>ADRENAL</u>	<u>KIDNEY</u>	<u>HEART</u>	<u>LUNG</u>
C*	M**	069	5.54	0.11	0.21	1.47	1.22	0.91
C	M	323	4.77	0.09	0.18	1.44	0.56	0.87
C	M	626	4.80	0.08	0.17	1.46	0.59	0.75
C	M	628	5.26	0.14	0.32	0.89	0.75	0.76
C	M	655	4.58	0.08	0.21	1.58	0.91	0.75
C	M	669	4.92	0.15	0.23	1.50	0.99	0.60
C	F	112	5.83	0.14	0.29	1.52	0.67	0.63
C	F	274	5.80	0.14	0.20	1.62	0.93	0.67
C	F	591	5.30	0.12	0.40	1.76	0.80	0.70
C	F	696	5.42	0.15	0.23	1.47	0.89	0.64
T	M	221	4.38	0.14	0.23	1.25	0.87	0.68
T	M	296	5.40	0.18	0.30	1.53	0.90	0.70
T	M	372	5.52	0.16	0.19	1.60	0.82	0.77
T	M	446	5.90	0.14	0.25	1.80	0.77	0.64
T	M	528	4.24	0.16	0.25	1.48	0.96	0.70
T	M	742	4.64	0.21	0.38	1.37	0.82	0.58
T	M	966	6.06	0.24	0.16	1.44	0.92	0.68
T	F	054	6.04	0.07	0.23	1.76	0.89	0.64
T	F	073	5.96	0.11	0.22	1.74	0.80	0.89
T	F	224	5.92	0.14	0.25	1.62	0.81	0.70
T	F	444	5.03	0.14	0.17	1.66	0.99	0.68
T	F	641	6.08	0.09	0.23	1.86	0.84	0.75
CONTROL MALE			4.98	0.11	0.22	1.39	0.84	0.77
			±0.36	±0.03	±0.05	±0.25	±0.25	±0.11
CONTROL FEMALE			5.59	0.14	0.28	1.59	0.82	0.66
			±0.27	±0.01	±0.09	±0.13	±0.12	±0.03
TREATED MALE			5.16	0.18	0.25	1.50	0.87	0.68
			±0.74	±0.04	±0.07	±0.18	±0.07	±0.06

TABLE 5. PEROMYSCUS POLIONOTUS (CONTINUED)

<u>TREATMENT</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>LIVER</u>	<u>SPLEEN</u>	<u>ADRENAL</u>	<u>KIDNEY</u>	<u>HEART</u>	<u>LUNG</u>
TREATED	FEMALE		5.81	0.11	0.22	1.73	0.87	0.73
			±0.44	±0.03	±0.03	±0.09	±0.08	±0.10

* C - Control, T - Treated

** M - Male, F - Female

TABLE 6. HEPATIC MORPHOMETRIC DATA, EXPRESSED AS RATIOS,
FOR PEROMYSCUS POLIONOTUS DUSTED WITH ALUMINA
GEL CONTAINING NO TCDD (CONTROL) OR ALUMINA GEL
CONTAINING 2.5 PARTS PER BILLION TCDD (TEST GROUP)

<u>TREATMENT</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>MITO/TOT</u>	<u>d.MITO/MITO</u>	<u>RER/TOT</u>	<u>SER/TOT</u>	<u>RER/SER</u>
C*	M**	069	.219	.146	.189	.340	.566
C	M	323	.257	.083	.128	.410	.323
C	M	626	.295	.294	.142	.400	.359
C	M	628	.257	.139	.138	.350	.403
C	M	655	.210	.269	.162	.436	.382
C	M	669	.278	.349	.150	.364	.418
C	F	112	.183	.226	.122	.394	.328
C	F	274	.253	.174	.151	.374	.419
C	F	591	.256	.286	.149	.400	.371
C	F	696	.264	.244	.155	.324	.471
T	M	221	.216	.249	.197	.392	.510
T	M	296	.222	.278	.154	.423	.367
T	M	372	.252	.231	.200	.328	.614
T	M	446	.281	.285	.160	.383	.420
T	M	528	.318	.153	.143	.421	.346
T	M	742	.254	.213	.208	.396	.540
T	M	966	.340	.199	.155	.369	.422
T	F	054	.231	.119	.215	.367	.586
T	F	073	.266	.298	.136	.370	.369
T	F	224	.200	.175	.135	.423	.320
T	F	444	.238	.146	.170	.394	.431
T	F	641	.234	.321	.123	.425	.293
CONTROL MALE			0.253	0.213	0.152	0.383	0.408
			±0.033	±0.105	±0.022	±0.038	±0.084
CONTROL FEMALE			0.239	0.232	0.144	0.373	0.397
			±0.038	±0.046	±0.015	±0.034	±0.062
TREATED MALE			0.269	0.230	0.174	0.387	0.460
			±0.047	±0.046	±0.027	±0.033	±0.098

TABLE 6. PEROMYSCUS POLIONOTUS (CONTINUED)

<u>TREATMENT</u>	<u>SEX</u>	<u>SPECI- MEN #</u>	<u>MITO/TOT</u>	<u>d.MITO/MITO</u>	<u>RER/TOT</u>	<u>SER/TOT</u>	<u>RER/SER</u>
TREATED	FEMALE		0.234	0.212	0.156	0.396	0.400
			± 0.023	± 0.092	± 0.037	± 0.028	± 0.117

* C - Control, T - Treated
 ** M - Male, F - Female