

Study Number: C15011B-02
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary
Test Compound: 2-Ethyltoluene
CAS Number: 611-14-3

Date Report Requested: 11/05/2020
Time Report Requested: 10:59:31
Lab: Battelle

Study Number: C15011B-02
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.0.9

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Males									
Treatment Groups (ppm)									
	0			150			300		
Terminal Body Wt. (g)	24.6	± 0.4	(11) *	23.4	± 0.4	(5)	23.1	± 0.4	(5)
R. Epididymis									
Absolute (g)	0.0484	± 0.0089	(5)	0.0347	± 0.0024	(5)	0.0349	± 0.0025	(5)
Relative (mg/g)	1.93	± 0.33	(5)	1.48	± 0.09	(5)	1.50	± 0.09	(5)
L. Epididymis									
Absolute (g)	0.0449	± 0.0069	(5)	0.0344	± 0.0014	(5)	0.0377	± 0.0047	(5)
Relative (mg/g)	1.80	± 0.29	(5)	1.47	± 0.07	(5)	1.62	± 0.18	(5)
Heart									
Absolute (g)	0.15	± 0.00	(5) **	0.13	± 0.00	(5) **	0.11	± 0.00	(5) **
Relative (mg/g)	5.94	± 0.18	(5) **	5.37	± 0.09	(5)	4.94	± 0.26	(5) **
R. Kidney									
Absolute (g)	0.24	± 0.01	(5) **	0.21	± 0.01	(5) **	0.20	± 0.01	(5) **
Relative (mg/g)	9.77	± 0.30	(5) *	8.79	± 0.25	(5) *	8.81	± 0.13	(5) *
L. Kidney									
Absolute (g)	0.22	± 0.01	(5) **	0.20	± 0.01	(5) **	0.19	± 0.00	(5) **
Relative (mg/g)	8.82	± 0.20	(5) *	8.36	± 0.10	(5)	8.21	± 0.04	(5) *
Liver									
Absolute (g)	1.54	± 0.07	(5)	1.29	± 0.03	(5) **	1.33	± 0.02	(5) *
Relative (mg/g)	61.79	± 1.75	(5)	54.94	± 0.41	(5) **	57.40	± 0.78	(5) *
Lung									
Absolute (g)	0.21	± 0.01	(5)	0.20	± 0.01	(5)	0.24	± 0.03	(5)
Relative (mg/g)	8.41	± 0.23	(5)	8.71	± 0.29	(5)	10.51	± 1.09	(5)
R. Testis									
Absolute (g)	0.098	± 0.004	(5)	0.098	± 0.003	(5)	0.094	± 0.005	(5)
Relative (mg/g)	3.93	± 0.06	(5)	4.16	± 0.10	(5)	4.06	± 0.21	(5)
L. Testis									
Absolute (g)	0.099	± 0.004	(5)	0.095	± 0.003	(5)	0.094	± 0.002	(5)
Relative (mg/g)	3.96	± 0.12	(5)	4.06	± 0.11	(5)	4.08	± 0.09	(5)

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Males			
Treatment Groups (ppm)			
	0	150	300
Thymus			
Absolute (g)	0.049 ± 0.003 (5)	0.044 ± 0.004 (5)	0.047 ± 0.003 (5)
Relative (mg/g)	1.98 ± 0.09 (5)	1.87 ± 0.15 (5)	2.05 ± 0.14 (5)

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Females

Treatment Groups (ppm)

	0			150			300		
Terminal Body Wt. (g)	20.4	± 0.3	(11)	20.7	± 0.3	(5)	20.1	± 0.3	(5)
Heart									
Absolute (g)	0.12	± 0.01	(5) **	0.11	± 0.00	(5)	0.10	± 0.00	(5) **
Relative (mg/g)	5.91	± 0.16	(5) **	5.52	± 0.17	(5)	4.88	± 0.20	(5) **
R. Kidney									
Absolute (g)	0.16	± 0.01	(5)	0.15	± 0.01	(5)	0.15	± 0.00	(5)
Relative (mg/g)	7.61	± 0.29	(5)	7.47	± 0.40	(5)	7.46	± 0.11	(5)
L. Kidney									
Absolute (g)	0.15	± 0.01	(5) *	0.15	± 0.01	(5)	0.14	± 0.00	(5)
Relative (mg/g)	7.35	± 0.16	(5)	7.07	± 0.26	(5)	6.86	± 0.11	(5)
Liver									
Absolute (g)	1.21	± 0.07	(5)	1.18	± 0.03	(5)	1.25	± 0.03	(5)
Relative (mg/g)	57.71	± 2.25	(5)	57.19	± 1.93	(5)	62.41	± 1.04	(5)
Lung									
Absolute (g)	0.18	± 0.01	(5)	0.19	± 0.01	(5)	0.19	± 0.01	(5)
Relative (mg/g)	8.67	± 0.38	(5)	9.12	± 0.44	(5)	9.66	± 0.52	(5)
R. Ovary									
Absolute (g)	0.0130 ± 0.0020	(5) *		0.0118 ± 0.0040	(5)		0.0053 ± 0.0012	(5)	
Relative (mg/g)	0.62	± 0.09	(5) *	0.58	± 0.20	(5)	0.27	± 0.06	(5)
L. Ovary									
Absolute (g)	0.0117 ± 0.0006	(5)		0.0125 ± 0.0042	(5)		0.0069 ± 0.0010	(5)	
Relative (mg/g)	0.56	± 0.04	(5)	0.61	± 0.21	(5)	0.34	± 0.05	(5)
Thymus									
Absolute (g)	0.073	± 0.002	(5) **	0.057	± 0.005	(5) *	0.043	± 0.004	(5) **
Relative (mg/g)	3.48	± 0.05	(5) **	2.78	± 0.26	(5) *	2.15	± 0.17	(5) **

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Organ weights were not collected for the 600, 900 and 1200 ppm groups due to the early removal of all animals in these groups.

**** END OF REPORT ****