

Study Number: 108020005
Test Type: 5-Day Toxicity
Route: Whole-Body Inhalation
Species/Strain: Mouse/B6D2F1/Crl

PA06: Organ Weights Summary
Test Compound: 1,4-Dichlorobenzene
CAS Number: 106-46-7

Date Report Requested: 05/21/2025
Time Report Requested: 10:54:02
Lab: Battelle

Study Number: 108020005
Study Sex: Female
PWG Approval Date: See web page for date of PWG Approval
Version: v1.7.2
Stat Version: 2023.02.27S

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Females: Core Animals

	Treatment Groups (ppm)				
	0	1	10	50	150
Terminal Body Wt. (g)	18.4 ± 0.4 (10)	18.4 ± 0.3 (5)	18.7 ± 0.5 (5)	18.5 ± 0.3 (5)	19.0 ± 0.3 (5)
Heart					
Absolute (g)	0.11 ± 0.00 (10)	0.11 ± 0.01 (5)	0.11 ± 0.01 (5)	0.12 ± 0.01 (5)	0.12 ± 0.00 (5)
Relative (mg/g)	6.08 ± 0.20 (10)	5.86 ± 0.22 (5)	5.98 ± 0.26 (5)	6.37 ± 0.29 (5)	6.09 ± 0.18 (5)
R. Kidney					
Absolute (g)	0.13 ± 0.00 (10)	0.12 ± 0.01 (5)	0.12 ± 0.01 (5)	0.12 ± 0.01 (5)	0.12 ± 0.00 (5)
Relative (mg/g)	6.80 ± 0.27 (10)	6.41 ± 0.30 (5)	6.51 ± 0.23 (5)	6.49 ± 0.35 (5)	6.40 ± 0.20 (5)
L. Kidney					
Absolute (g)	0.12 ± 0.00 (10) *	0.12 ± 0.00 (5)	0.13 ± 0.00 (5)	0.12 ± 0.00 (5)	0.13 ± 0.01 (5)
Relative (mg/g)	6.31 ± 0.15 (10)	6.62 ± 0.19 (5)	6.74 ± 0.13 (5)	6.38 ± 0.24 (5)	6.82 ± 0.30 (5)
Liver					
Absolute (g)	0.87 ± 0.02 (10) **	0.92 ± 0.03 (5)	0.88 ± 0.04 (5)	0.92 ± 0.04 (5)	1.08 ± 0.03 (5) **
Relative (mg/g)	47.44 ± 0.80 (10) **	49.78 ± 1.57 (5)	47.02 ± 1.17 (5)	49.55 ± 2.32 (5)	56.92 ± 0.88 (5) **
Lung					
Absolute (g)	0.22 ± 0.01 (10)	0.20 ± 0.02 (5)	0.22 ± 0.01 (5)	0.21 ± 0.01 (5)	0.22 ± 0.02 (5)
Relative (mg/g)	11.85 ± 0.73 (10)	10.86 ± 0.86 (5)	11.69 ± 0.66 (5)	11.12 ± 0.72 (5)	11.64 ± 0.85 (5)

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	<u>Treatment Groups (ppm)</u>
	<u>400</u>
Terminal Body Wt. (g)	19.3 ± 0.6 (5)
Heart	
Absolute (g)	0.11 ± 0.01 (5)
Relative (mg/g)	5.90 ± 0.22 (5)
R. Kidney	
Absolute (g)	0.13 ± 0.00 (5)
Relative (mg/g)	6.85 ± 0.04 (5)
L. Kidney	
Absolute (g)	0.13 ± 0.00 (5)
Relative (mg/g)	6.78 ± 0.34 (5)
Liver	
Absolute (g)	1.65 ± 0.04 (5) **
Relative (mg/g)	85.72 ± 1.11 (5) **
Lung	
Absolute (g)	0.20 ± 0.01 (5)
Relative (mg/g)	10.33 ± 0.66 (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 $p \leq 0.01$

Females from the control and treatment groups were removed on Study Day 5.

**** END OF REPORT ****