| | |
|---|---|
| **Study Number:** | 108020006 |
| **Study Sex:** | Female |
| **PWG Approval Date:** | See web page for date of PWG Approval |
| **Version:** | v1.7.2 |
| **Stat Version:** | 2023.02.27S |

**Study Number:** 108020006
**Test Type:** 5-Day Toxicity
**Route:** Whole-Body Inhalation
**Species/Strain:** Rat/Harlan Sprague Dawley

**PA06: Organ Weights Summary**
**Test Compound:** 1,2-Dichlorobenzene
**CAS Number:** 95-50-1

**Date Report Requested:** 05/21/2025
**Time Report Requested:** 11:33:07
**Lab:** Battelle

**Females: Core Animals**

| | Treatment Groups (ppm) | | | | |
|---|---|---|---|---|---|
| | **0** | **1** | **10** | **30** | **100** |
| Terminal Body Wt. (g) | 204.2 ± 3.3 (10) ** | 206.9 ± 4.0 (5) | 207.5 ± 3.3 (5) | 207.8 ± 4.8 (5) | 196.6 ± 3.4 (5) |
| Heart | | | | | |
| Absolute (g) | 0.86 ± 0.02 (10) | 0.89 ± 0.02 (5) | 0.91 ± 0.03 (5) | 0.85 ± 0.02 (5) | 0.87 ± 0.03 (5) |
| Relative (mg/g) | 4.22 ± 0.06 (10) | 4.31 ± 0.09 (5) | 4.39 ± 0.16 (5) | 4.09 ± 0.04 (5) | 4.42 ± 0.11 (5) |
| R. Kidney | | | | | |
| Absolute (g) | 0.65 ± 0.02 (10) * | 0.67 ± 0.02 (5) | 0.69 ± 0.02 (5) | 0.65 ± 0.01 (5) | 0.69 ± 0.02 (5) |
| Relative (mg/g) | 3.20 ± 0.05 (10) ** | 3.24 ± 0.06 (5) | 3.32 ± 0.08 (5) | 3.15 ± 0.10 (5) | 3.49 ± 0.11 (5) ** |
| L. Kidney | | | | | |
| Absolute (g) | 0.64 ± 0.01 (10) | 0.67 ± 0.02 (5) | 0.67 ± 0.02 (5) | 0.65 ± 0.02 (5) | 0.67 ± 0.02 (5) |
| Relative (mg/g) | 3.12 ± 0.03 (10) ** | 3.25 ± 0.07 (5) | 3.23 ± 0.13 (5) | 3.15 ± 0.04 (5) | 3.39 ± 0.09 (5) * |
| Liver | | | | | |
| Absolute (g) | 7.37 ± 0.18 (10) ** | 7.67 ± 0.23 (5) | 7.81 ± 0.18 (5) | 7.93 ± 0.31 (5) | 7.93 ± 0.25 (5) |
| Relative (mg/g) | 36.08 ± 0.46 (10) ** | 37.06 ± 0.61 (5) | 37.65 ± 0.72 (5) | 38.12 ± 0.94 (5) | 40.29 ± 0.77 (5) ** |
| Lung | | | | | |
| Absolute (g) | 1.67 ± 0.06 (10) | 1.60 ± 0.06 (5) | 1.73 ± 0.07 (5) | 1.55 ± 0.08 (5) | 1.55 ± 0.08 (5) |
| Relative (mg/g) | 8.19 ± 0.27 (10) | 7.73 ± 0.26 (5) | 8.32 ± 0.30 (5) | 7.47 ± 0.30 (5) | 7.90 ± 0.41 (5) |

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**CAS Number:** 95-50-1

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**Females: Core Animals**

| | Treatment Groups (ppm) | |
|---|---|---|
| | **250** | **500** |
| Terminal Body Wt. (g) | 200.2 ± 4.5 (5) | 179.9 ± 3.6 (5) ** |
| Heart | | |
| Absolute (g) | 0.83 ± 0.03 (5) | 0.80 ± 0.04 (5) |
| Relative (mg/g) | 4.15 ± 0.08 (5) | 4.46 ± 0.13 (5) |
| R. Kidney | | |
| Absolute (g) | 0.71 ± 0.01 (5) | 0.69 ± 0.03 (5) |
| Relative (mg/g) | 3.56 ± 0.06 (5) ** | 3.84 ± 0.11 (5) ** |
| L. Kidney | | |
| Absolute (g) | 0.69 ± 0.01 (5) | 0.66 ± 0.03 (5) |
| Relative (mg/g) | 3.45 ± 0.05 (5) ** | 3.69 ± 0.11 (5) ** |
| Liver | | |
| Absolute (g) | 9.08 ± 0.43 (5) ** | 9.68 ± 0.47 (5) ** |
| Relative (mg/g) | 45.29 ± 1.22 (5) ** | 53.80 ± 2.04 (5) ** |
| Lung | | |
| Absolute (g) | 1.71 ± 0.06 (5) | 1.74 ± 0.13 (5) |
| Relative (mg/g) | 8.56 ± 0.16 (5) | 9.63 ± 0.60 (5) * |

LEGEND

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Data are displayed as mean ± 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 <= 0.05
** Statistically significant at p <= 0.01
Females from the control and treatment groups were removed on Study Day 5.

** END OF REPORT **