

**Experiment Number:** C94043-01

**Test Type:** TOX

**Route:** Dosing in Water

**Species/Strain:** Rat/Harlan Sprague Dawley

**PA06: ORGAN WEIGHTS SUMMARY**

**Test Compound:** Sodium Metavanadate

**CAS Number:** 13718-26-8

**Date Report Requested:** 03/10/2016

**Time Report Requested:** 10:30:21

**Lab:** Battelle

**C Number:**

C94043-01

**Cage Range:**

All

**Date Range:**

All

**Reasons For Removal:**

All

**Removal Date Range:**

All

**Treatment Groups:**

All

**Study Gender:**

Both

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	Males			
	Treatment Groups (mg/L)			
	0	125	250	500
Terminal Body Wt.	238.5 ± 6.3 (5) **	241.7 ± 3.8 (5)	222.6 ± 2.9 (5) *	216.9 ± 1.2 (5) **
R. Epididymis				
Absolute (g)	0.2884 ± 0.0123 (5)	0.2822 ± 0.0146 (5)	0.2859 ± 0.0141 (5)	0.2955 ± 0.0082 (5)
Relative (mg/g)	1.21 ± 0.05 (5) *	1.17 ± 0.05 (5)	1.29 ± 0.07 (5)	1.36 ± 0.04 (5)
L. Epididymis				
Absolute (g)	0.2947 ± 0.0091 (5)	0.2627 ± 0.0034 (5)	0.2798 ± 0.0169 (5)	0.2951 ± 0.0057 (5)
Relative (mg/g)	1.24 ± 0.04 (5)	1.09 ± 0.02 (5)	1.26 ± 0.07 (5)	1.36 ± 0.02 (5)
Heart				
Absolute (g)	0.98 ± 0.05 (5)	0.96 ± 0.03 (5)	0.94 ± 0.01 (5)	0.88 ± 0.03 (5)
Relative (mg/g)	4.09 ± 0.11 (5)	3.98 ± 0.12 (5)	4.23 ± 0.07 (5)	4.05 ± 0.12 (5)
R. Kidney				
Absolute (g)	0.85 ± 0.03 (5)	0.83 ± 0.02 (5)	0.94 ± 0.02 (5) *	0.82 ± 0.02 (5)
Relative (mg/g)	3.56 ± 0.08 (5)	3.42 ± 0.06 (5)	4.21 ± 0.06 (5) **	3.76 ± 0.09 (5)
L. Kidney				
Absolute (g)	0.82 ± 0.03 (5)	0.80 ± 0.03 (5)	0.91 ± 0.02 (5)	0.82 ± 0.03 (5)
Relative (mg/g)	3.45 ± 0.06 (5)	3.31 ± 0.11 (5)	4.10 ± 0.07 (5) **	3.76 ± 0.17 (5)
Liver				
Absolute (g)	8.05 ± 0.29 (5)	9.50 ± 0.19 (5) *	9.45 ± 0.44 (5) *	8.42 ± 0.24 (5)
Relative (mg/g)	33.75 ± 0.59 (5) *	39.32 ± 0.76 (5) **	42.41 ± 1.42 (5) **	38.81 ± 0.98 (5) **
Lung				
Absolute (g)	2.36 ± 0.36 (5) **	1.90 ± 0.13 (5)	1.33 ± 0.03 (5) **	1.57 ± 0.12 (5) **
Relative (mg/g)	9.81 ± 1.31 (5) *	7.84 ± 0.45 (5)	5.97 ± 0.17 (5) **	7.26 ± 0.57 (5)
R. Testis				
Absolute (g)	1.509 ± 0.034 (5)	1.516 ± 0.075 (5)	1.508 ± 0.032 (5)	1.562 ± 0.030 (5)
Relative (mg/g)	6.35 ± 0.24 (5) *	6.27 ± 0.29 (5)	6.78 ± 0.17 (5)	7.20 ± 0.16 (5) *
L. Testis				
Absolute (g)	1.507 ± 0.043 (5)	1.501 ± 0.072 (5)	1.472 ± 0.031 (5)	1.576 ± 0.053 (5)
Relative (mg/g)	6.35 ± 0.30 (5) *	6.21 ± 0.29 (5)	6.62 ± 0.16 (5)	7.26 ± 0.23 (5)

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	Males			
	Treatment Groups (mg/L)			
	0	125	250	500
Thymus				
Absolute (g)	0.51 ± 0.05 (5)	0.52 ± 0.02 (5)	0.55 ± 0.03 (5)	0.53 ± 0.03 (5)
Relative (mg/g)	2.12 ± 0.18 (5) *	2.16 ± 0.09 (5)	2.48 ± 0.15 (5)	2.46 ± 0.14 (5)

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Females

Treatment Groups (mg/L)

	0	125	250	500
Terminal Body Wt.	169.5 ± 1.8 (5) *	169.1 ± 2.3 (5)	161.3 ± 4.1 (5)	158.4 ± 4.8 (5)
Heart				
Absolute (g)	0.72 ± 0.01 (5)	0.72 ± 0.01 (5)	0.70 ± 0.02 (5)	0.70 ± 0.03 (5)
Relative (mg/g)	4.25 ± 0.10 (5)	4.28 ± 0.07 (5)	4.36 ± 0.03 (5)	4.40 ± 0.11 (5)
R. Kidney				
Absolute (g)	0.62 ± 0.01 (5)	0.60 ± 0.01 (5)	0.63 ± 0.01 (5)	0.60 ± 0.01 (5)
Relative (mg/g)	3.65 ± 0.07 (5)	3.57 ± 0.07 (5)	3.91 ± 0.08 (5)	3.82 ± 0.09 (5)
L. Kidney				
Absolute (g)	0.60 ± 0.02 (5)	0.59 ± 0.01 (5)	0.63 ± 0.02 (5)	0.58 ± 0.01 (5)
Relative (mg/g)	3.56 ± 0.11 (5)	3.50 ± 0.04 (5)	3.90 ± 0.12 (5)	3.67 ± 0.09 (5)
Liver				
Absolute (g)	6.97 ± 0.15 (5)	7.21 ± 0.19 (5)	7.28 ± 0.37 (5)	6.96 ± 0.27 (5)
Relative (mg/g)	41.14 ± 0.59 (5) **	42.61 ± 0.79 (5)	45.04 ± 1.43 (5) *	43.98 ± 1.06 (5) *
Lung				
Absolute (g)	1.33 ± 0.08 (5) *	1.40 ± 0.06 (5)	1.19 ± 0.03 (5)	1.13 ± 0.07 (5)
Relative (mg/g)	7.83 ± 0.47 (5)	8.27 ± 0.37 (5)	7.39 ± 0.16 (5)	7.13 ± 0.36 (5)
R. Ovary				
Absolute (g)	0.0503 ± 0.0061 (5) *	0.0411 ± 0.0036 (5)	0.0451 ± 0.0012 (5)	0.0342 ± 0.0045 (5) *
Relative (mg/g)	0.30 ± 0.04 (5)	0.24 ± 0.02 (5)	0.28 ± 0.01 (5)	0.21 ± 0.03 (5)
L. Ovary				
Absolute (g)	0.0429 ± 0.0029 (5)	0.0459 ± 0.0042 (5)	0.0417 ± 0.0040 (5)	0.0430 ± 0.0034 (5)
Relative (mg/g)	0.25 ± 0.02 (5)	0.27 ± 0.02 (5)	0.26 ± 0.02 (5)	0.27 ± 0.02 (5)
Thymus				
Absolute (g)	0.46 ± 0.02 (5)	0.41 ± 0.03 (5)	0.39 ± 0.01 (5)	0.44 ± 0.02 (5)
Relative (mg/g)	2.71 ± 0.11 (5)	2.44 ± 0.15 (5)	2.44 ± 0.10 (5)	2.81 ± 0.14 (5)

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## LEGEND

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Data are displayed as mean  $\pm$  SEM (N)

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 William or Dunnett (pairwise) tests

Statistical significance for the control group indicates a significant trend test

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

**\*\* END OF REPORT \*\***