

**Study Number:** C06100

**Test Type:** TOX

**Route:** Oral Gavage

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

**C Number:**

**Study Gender:**

**PWG Approval Date**

**PA48: Summary of Tissue Concentration**

**Test Compound:** Perfluorohexane sulfonate potassium salt

**CAS Number:** 3871-99-6

C06100

Female

See web page for date of PWG Approval

**Date Report Requested:** 01/17/2019

**Time Report Requested:** 14:34:14

**Lab:** Battelle

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	Female			
Dose (mg/kg/day)	0	3.12	6.25	12.5
(mmol/kg/day)	0	0.0078	0.0156	0.0312
Plasma Concentration (ng/ml)	175 ± 22 (10) **	37030 ± 1651 (10) **	50410 ± 1552 (10) **	63820 ± 3201 (10) **
Plasma Concentration (uM)	0.4 ± 0.1 (10) **	92.5 ± 4.1 (10) **	126.0 ± 3.9 (10) **	159.5 ± 8.0 (10) **
Normalized Plasma Concentration (uM/mmol/kg)		11868.6 ± 529.1 (10)	8065.6 ± 248.3 (10)	5105.6 ± 256.1 (10)

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**Female**

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<b>Dose (mg/kg/day)</b>	<b>25</b>	<b>50</b>
(mmol/kg/day)	0.0625	0.125
Plasma Concentration (ng/ml)	83820 ± 3740 (10) **	95510 ± 3745 (10) **
Plasma Concentration (uM)	209.5 ± 9.3 (10) **	238.7 ± 9.4 (10) **
Normalized Plasma Concentration (uM/mmol/kg)	3352.8 ± 149.6 (10)	1910.2 ± 74.9 (10)

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LEGEND

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

SD – Study Day

If over 20% of the animals in a group are above the limit of detection, then 1/2 the limit of detection value is substituted for values that are below the limit of detection.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated; no statistical analysis was done for the endpoint.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

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  $P \leq 0.01$

Molar dose concentrations were calculated based on the salt form, using MW 438.2 g/mol, while PFHxS (non-salt) was measured in the plasma and liver with molar concentrations based on MW 400.1 g/mol.

Normalized values were calculated by dividing the absolute measurement by the dose.

BD - Group did not have over 20% of its values above the limit of detection.

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