C Number:	C06100
Study Gender:	Male
PWG Approval Date	See web page for date of PWG Approval

Study Number: C06100
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA48: Summary of Tissue Concentration
Test Compound: Perfluorohexane sulfonate potassium salt
CAS Number: 3871-99-6

Date Report Requested: 01/17/2019
Time Report Requested: 14:34:17
Lab: Battelle

Male

Dose (mg/kg/day)	**0**	**0.625**	**1.25**	**2.5**
(mmol/kg/day)	0	0.0016	0.0031	0.0062
Plasma Concentration (ng/ml)	102 ± 14 (10) **	66760 ± 3518 (10) **	92080 ± 3348 (10) **	129000 ± 5504 (10) **
Plasma Concentration (uM)	0.3 ± 0.0 (10) **	166.9 ± 8.8 (10) **	230.1 ± 8.4 (10) **	322.4 ± 13.8 (10) **
Normalized Plasma Concentration (uM/mmol/kg)		106816.0 ± 5629.3 (10)	73664.0 ± 2678.3 (10)	51600.0 ± 2201.4 (10)
Liver Concentration (ng/g)	BD	39880 ± 1314 (10)	58590 ± 1976 (10)	98250 ± 3073 (10)
Liver Concentration (uM)	BD	99.7 ± 3.3 (10)	146.4 ± 4.9 (10)	245.6 ± 7.7 (10)
Normalized Liver Concentration (uM/mmol/kg)		63808.0 ± 2102.7 (10)	46872.0 ± 1580.6 (10)	39300.0 ± 1229.1 (10)
Liver/Plasma Ratio	BD	0.61 ± 0.03 (10)	0.64 ± 0.02 (10)	0.77 ± 0.04 (10)

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	Male	
Dose (mg/kg/day)	**5**	**10**
(mmol/kg/day)	0.0125	0.025
Plasma Concentration (ng/ml)	161700 ± 2512 (10) **	198300 ± 4996 (10) **
Plasma Concentration (uM)	404.1 ± 6.3 (10) **	495.6 ± 12.5 (10) **
Normalized Plasma Concentration (uM/mmol/kg)	32340.0 ± 502.5 (10)	19830.0 ± 499.6 (10)
Liver Concentration (ng/g)	161700 ± 9669 (10)	241300 ± 9090 (10)
Liver Concentration (uM)	404.1 ± 24.2 (10)	603.1 ± 22.7 (10)
Normalized Liver Concentration (uM/mmol/kg)	32340.0 ± 1933.8 (10)	24130.0 ± 909.0 (10)
Liver/Plasma Ratio	1.00 ± 0.05 (10)	1.22 ± 0.04 (10)

LEGEND

Data are displayed as mean ± 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 <= 0.05

** Statistically significant at P <= 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 measurment by the dose.

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

** END OF REPORT **