C Number:	C04049
Study Gender:	Male
PWG Approval Date	See web page for date of PWG Approval

Study Number: C04049
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA48: Summary of Tissue Concentration
Test Compound: Perfluorononanoic Acid
CAS Number: 375-95-1

Date Report Requested: 01/17/2019
Time Report Requested: 14:34:08
Lab: Battelle

Male

Dose (mg/kg/day)	**0**	**0.625**	**1.25**	**2.5**
(mmol/kg/day)	0	0.0013	0.0027	0.0054
Plasma Concentration (ng/ml)	55 ± 12 (10) **	56730 ± 1878 (10) **	161000 ± 4928 (10) **	380000 ± 15639 (10) **
Plasma Concentration (uM)	0.1 ± 0.0 (10) **	122.2 ± 4.0 (10) **	346.9 ± 10.6 (10) **	818.8 ± 33.7 (10) **
Normalized Plasma Concentration (uM/mmol/kg)		90768.0 ± 3005.4 (10)	128800.0 ± 3942.7 (10)	152000.0 ± 6255.6 (10)
Liver Concentration (ng/g)	762 ± 33 (10) **	145500 ± 2684 (10) **	249200 ± 4692 (10) **	311400 ± 7449 (10) **
Liver Concentration (uM)	1.6 ± 0.1 (10) **	313.5 ± 5.8 (10) **	537.0 ± 10.1 (10) **	671.0 ± 16.1 (10) **
Normalized Liver Concentration (uM/mmol/kg)		232800.0 ± 4294.9 (10)	199360.0 ± 3753.8 (10)	124560.0 ± 2979.8 (10)
Liver/Plasma Ratio	16.36 ± 1.53 (10) **	2.59 ± 0.10 (10) **	1.56 ± 0.06 (10) **	0.83 ± 0.04 (10) **

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	Male			
Dose (mg/kg/day)	**5**			
(mmol/kg/day)	0.0108			
Plasma Concentration (ng/ml)	358000	± 54000	(2)	**
Plasma Concentration (uM)	771.4	± 116.4	(2)	**
Normalized Plasma Concentration (uM/mmol/kg)	71600.0	± 10800.0	(2)	
Liver Concentration (ng/g)	313000	± 59000	(2)	**
Liver Concentration (uM)	674.5	± 127.1	(2)	**
Normalized Liver Concentration (uM/mmol/kg)	62600.0	± 11800.0	(2)	
Liver/Plasma Ratio	0.87	± 0.03	(2)	**

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

Values adjusted for molar concentration were calculated by dividing the absolute measurement by the molecular weight of 464.08 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 **