

Experiment Number: C04049

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

C04049

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Female

R07: Hormone Summary

Test Compound: Perfluorononanoic Acid

CAS Number: 375-95-1

Date Report Requested: 12/14/2016

Time Report Requested: 15:25:59

Lab: Battelle

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Terminal Sacrifice		Treatment Groups (mg/kg/day)				
		0	1.56	3.12	6.25	12.5
SD 28 - 28	Testosterone (ng/mL)	0.295 ± 0.022 (10) **	0.394 ± 0.029 (10) *	0.440 ± 0.037 (10) **	0.491 ± 0.039 (10) **	0.264 (1)
SD 28 - 28	Thyroid Stimulating Hormone (ng/mL)	14.637 ± 1.663 (10)	15.515 ± 1.531 (10)	14.108 ± 1.126 (10)	14.331 ± 1.077 (10)	NR
SD 28 - 28	Triiodothyronine (ng/dL)	93.700 ± 6.025 (10)	84.100 ± 4.148 (10)	83.260 ± 2.674 (10)	89.900 ± 6.819 (10)	181.000 (1)
SD 28 - 28	Free Thyroxine (ng/dL)	1.702 ± 0.199 (10) **	1.473 ± 0.154 (10)	1.096 ± 0.097 (10) *	0.797 ± 0.096 (10) **	NR
SD 28 - 28	Total Thyroxine (ug/dL)	4.370 ± 0.409 (10) **	3.570 ± 0.283 (10)	2.810 ± 0.168 (10) **	2.610 ± 0.237 (10) **	3.900 (1)

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LEGEND

Data are displayed as mean \pm SEM (N)

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

**** END OF REPORT ****