

Study Number: C98004-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

R07: Hormone Summary

Test Compound: Hexachlorobenzene (HCB)

CAS Number: 607-91-0

C98004-01

Female

See web page for date of PWG Approval

Date Report Requested: 08/06/2019

Time Report Requested: 08:26:03

Lab: NTP

Study Number: C98004-01

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Female: Core

Terminal Sacrifice	Treatment Groups (mg/kg)			
	0	0.03	0.1	0.3
SD 93 - 93 Thyroid Stimulating Hormone (ng/mL)	10.450 ± 0.864 (10)	10.200 ± 1.018 (9)	11.430 ± 1.183 (10)	10.890 ± 0.569 (10)
SD 93 - 93 Triiodothyronine (ng/dL)	155.000 ± 12.189 (10) **	138.867 ± 8.791 (9)	132.140 ± 9.665 (10)	157.130 ± 11.718 (10)
SD 93 - 93 Free Thyroxine (ng/dL)	2.983 ± 0.107 (10) **	3.354 ± 0.200 (9)	3.046 ± 0.321 (10)	2.891 ± 0.260 (10)
SD 93 - 93 Total Thyroxine (ug/dL)	5.43 ± 0.31 (10) **	6.73 ± 0.38 (9)	5.70 ± 0.35 (10)	5.99 ± 0.42 (10)

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Terminal Sacrifice	Treatment Groups (mg/kg)			
	1	3	10	25
SD 93 - 93 Thyroid Stimulating Hormone (ng/mL)	11.710 ± 1.361 (10)	11.230 ± 0.604 (10)	10.550 ± 1.163 (10)	10.680 ± 1.069 (10)
SD 93 - 93 Triiodothyronine (ng/dL)	130.540 ± 10.972 (10)	144.150 ± 13.213 (10)	131.670 ± 4.759 (10)	93.630 ± 6.367 (10) **
SD 93 - 93 Free Thyroxine (ng/dL)	2.470 ± 0.152 (10)	2.430 ± 0.205 (10)	1.455 ± 0.124 (10) **	0.536 ± 0.039 (10) **
SD 93 - 93 Total Thyroxine (ug/dL)	5.44 ± 0.31 (10)	4.77 ± 0.38 (10)	2.03 ± 0.36 (10) **	0.04 ± 0.04 (10) **

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LEGEND

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

SD – Study Day

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 $P \leq 0.01$

**** END OF REPORT ****