

Study Number: C02047-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

R07: Hormone Summary

Test Compound: Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

C02047-01

Male

See web page for date of PWG Approval

Date Report Requested: 04/26/2019

Time Report Requested: 07:37:31

Lab: Battelle

Study Number: C02047-01

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Lab: Battelle

Male: Core Males

Terminal Sacrifice		Treatment Groups (mg/kg)			
		0	0.1	0.94	9.4
SD 5 - 5	Thyroid Stimulating Hormone (ng/mL)	30.7 ± 3.7 (6)	24.5 ± 2.8 (5)	22.6 ± 2.8 (6)	22.6 ± 2.1 (6)
SD 5 - 5	Triiodothyronine (ng/dL)	135.917 ± 3.857 (6)	146.400 ± 7.748 (5)	157.400 ± 7.412 (5)	160.000 ± 13.388 (6)
SD 5 - 5	Free Thyroxine (ng/dL)	2.143 ± 0.149 (6) **	2.057 ± 0.117 (6)	2.028 ± 0.125 (6)	2.027 ± 0.155 (6)
SD 5 - 5	Total Thyroxine (ug/dL)	7.10 ± 0.43 (6) **	6.18 ± 0.29 (6)	5.97 ± 0.30 (6)	5.77 ± 0.33 (6)

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**Terminal
Sacrifice**

Treatment Groups (mg/kg)

94.3

943

SD 5 - 5	Thyroid Stimulating Hormone (ng/mL)	25.4 ± 3.4 (6)	21.5 ± 2.1 (6)
SD 5 - 5	Triiodothyronine (ng/dL)	140.250 ± 6.612 (6)	148.000 ± 8.779 (6)
SD 5 - 5	Free Thyroxine (ng/dL)	1.750 ± 0.185 (6)	1.575 ± 0.127 (6) *
SD 5 - 5	Total Thyroxine (ug/dL)	6.40 ± 0.58 (6)	5.23 ± 0.20 (6) **

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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 (unless otherwise noted).

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 ****