

Table 2. Fluoride levels in Long-Evans Hooded male rats following drinking water exposure to fluoride

Age	Sample	DG1	DG2	DG3 (10ppm)	DG4 (20ppm)
Weanling	Brain µg/g	0.0253* 0.01 (n=6)	0.00 0.00 (n=6)	0.0477* 0.01 (n=6)	0.0811** 0.04 (n=6)
	Femur µg/g	216.7** 4.8 (n=6)	35.2 1.2 (n=6)	235 ^b 25.0 (n=6)	379.8*** 54.6 (n=6)
Adult	Plasma µg/ml	0.018*** 0.003 (n=10)	0.001 0.000 (n=10)	0.036*** 0.010 (n=8)	0.025*** 0.005 (n=10)
	Urine µg/ml		0.59 0.14 (n=8)		4.99** 0.96 (n=8)
	Brain µg/g	0.35 0.14 (n=10)	0.21 0.08 (n=10)	0.27 0.11 (n=8)	0.85* 0.24 (n=10)
	Femur µg/g	541.6*** 13.6 (n=10)	56.79 ^a 2.1 (n=8)	681.2* 43.8 (n=10)	993.4*** 95.2 (n=10)

Data represents mean +/- SEM.

Rats were exposed from gestational day 6 to tissue collection

DG1: Teklad 2918/RO-H₂O; DG2: Teklad TD.160173/RO-H₂O; DG3:

Teklad TD.160173/10ppmF⁻; DG4: Teklad TD.160173/20ppmF⁻

^b - p=0.06 *p<0.05; **p<0.01; ***p<0.001 as compared to DG2

^a - two outliers excluded (276.8; 849.0)