

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 06/29/2018

Time Report Requested: 16:39:35

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 744 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0/1000 ppm

TOTAL 50 [31]

UNCENSORED DEATHS 27

CENSORED DEATHS 0

TERMINAL 23

UNCENSORED DEATH DAYS

66	225	253	284	298	351	379	438	484	505	522	540	575	624
624	652	669	669	695	695	714	718	721	722	736	737	741	

CENSORED DEATH DAYS

None

DOSE = 300/1000 ppm

TOTAL 50 [30]

UNCENSORED DEATHS 27

CENSORED DEATHS 0

TERMINAL 23

UNCENSORED DEATH DAYS

183	391	393	440	454	457	472	491	508	574	589	617	624	624
634	638	647	673	673	673	676	676	681	683	690	695	718	

CENSORED DEATH DAYS

None

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	744(A)
0/1000 ppm	98.0	98.0	94.0	88.0	86.0	82.0	76.0	74.0	68.0	46.0
300/1000 ppm	100.0	100.0	98.0	98.0	94.0	86.0	82.0	78.0	66.0	46.0

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS. NEGATIVE TRENDS ARE INDICATED BY "N". TREND AND PAIRWISE TESTS USE A PROPORTIONAL HAZARDS MODEL WITH DAMID AS A RANDOM EFFECT.

(C) MEAN OF LITTER MEANS OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF LITTER MEANS OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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SURVIVAL SUMMARY STATISTICS

DOSE	0/1000 ppm	300/1000 ppm
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	46.0%	46.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.944	P=0.944
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	527.1 (41.2)	572.1 (29.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	626.1 (27.2)	660.0 (16.5)

*** END OF REPORT ***

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