

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: 16:31:49
First Dose M/F: 10/27/08 / 10/28/08
Lab: BAT

Custom Rpt (Litter-Based) -- 0-0, 150-300, 300-1000

NTP Study Number:	C20614		
Lock Date:	01/10/2012		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC 25016 Aborted	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include 002 0/0 ppm	Include 006 150/300 ppm	Include 010 300/1000 ppm
Study Gender:	Both		
TDMSE Version:	2.5.0.0_sfh		
PWG Approval Date:	NONE		

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 744 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0/0 ppm

TOTAL 50 [32] UNCENSORED DEATHS 27 CENSORED DEATHS 0 TERMINAL 23

UNCENSORED DEATH DAYS

274 312 323 382 411 435 452 533 543 547 574 589 592 621
625 638 645 647 661 667 673 676 688 692 705 712 722

CENSORED DEATH DAYS

None

DOSE = 150/300 ppm

TOTAL 50 [29] UNCENSORED DEATHS 18 CENSORED DEATHS 0 TERMINAL 32

UNCENSORED DEATH DAYS

295 322 349 351 368 533 533 564 589 622 634 638 695 714
718 718 739 742

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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FIRST TERMINAL SACRIFICE AT 744 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	744(A)
0/0 ppm	100.0	100.0	100.0	94.0	90.0	86.0	82.0	74.0	62.0	46.0
150/300 ppm	100.0	100.0	100.0	92.0	90.0	90.0	86.0	82.0	76.0	64.0
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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FEMALE RATS

FIRST TERMINAL SACRIFICE AT **744** DAYS

SURVIVAL SUMMARY STATISTICS			
DOSE	0/0 ppm	150/300 ppm	300/1000 ppm
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	46.0%	64.0%	46.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.831	P=0.080N	P=0.831N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	582.3 (24.5)	574.0 (38.9)	572.1 (29.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	646.6 (21.7)	681.1 (18.3)	660.0 (16.5)

*** END OF REPORT ***

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