

Experiment Number: 20614 - 02
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: 16:45:29
First Dose M/F: 07/27/09 / NA
Lab: BAT

Custom Rpt (Litter-Based) -- 0-0, 0-20, 0-40, 0-80

NTP Study Number:	C20614B		
Lock Date:	01/10/2012		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include 001 0/0 ppm Include 007 0/80 ppm	Include 003 0/20 ppm	Include 005 0/40 ppm
Study Gender:	Male		
TDMSE Version:	2.5.0.0_sfh		
PWG Approval Date:	NONE		

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MALE RATS

FIRST TERMINAL SACRIFICE AT 743 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0/0 ppm

TOTAL 50 [25] UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36

UNCENSORED DEATH DAYS

137 194 302 304 434 584 624 655 675 689 697 697 718 718

CENSORED DEATH DAYS

None

DOSE = 0/20 ppm

TOTAL 50 [25] UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 42

UNCENSORED DEATH DAYS

116 655 666 666 679 680 694 711

CENSORED DEATH DAYS

None

DOSE = 0/40 ppm

TOTAL 50 [25] UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 35

UNCENSORED DEATH DAYS

134 218 241 314 502 533 533 535 557 659 683 697 700 725
736

CENSORED DEATH DAYS

None

DOSE = 0/80 ppm

TOTAL 50 [25] UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37

UNCENSORED DEATH DAYS

108 161 194 414 432 456 473 478 478 609 701 720 726

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	743(A)
0/0 ppm	100.0	98.0	96.0	92.0	92.0	90.0	90.0	88.0	84.0	72.0
0/20 ppm	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	84.0
0/40 ppm	100.0	98.0	94.0	92.0	92.0	92.0	84.0	82.0	80.0	70.0
0/80 ppm	100.0	96.0	94.0	94.0	92.0	82.0	82.0	82.0	80.0	74.0

(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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FIRST TERMINAL SACRIFICE AT 743 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0/0 ppm	0/20 ppm	0/40 ppm	0/80 ppm
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.0%	84.0%	70.0%	74.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.733	P=0.160N	P=0.856	P=0.882N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	518.5 (62.7)	599.1 (80.8)	482.7 (58.5)	423.7 (58.4)
MEAN LIFE SPAN (D) (STANDARD ERROR)	683.5 (20.6)	721.5 (12.7)	675.4 (19.2)	668.8 (20.8)

*** END OF REPORT ***

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