

TDMS No. 96019-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)
CAS Number: 5589-96-8
Pathologist: HEATH, J. - Unknown, U.
F1_M3_CORE

Date Report Reqsted: 08/21/2006
Time Report Reqsted: 10:28:38
First Dose M/F: 10/10/01 / 10/10/01
Lab: SRI

C Number:	C96019		
Lock Date:	07/14/2004		
Cage Range:	1 - 9999		
Date Range:	1-JAN-1940 to 17-SEP-2040		
Reasons For Removal:	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
Removal Date Range:	JAN /1 /1940 - SEP /17 /2040		
Treatment Groups:	Include 1 0 MG/L	Include 2 0 MG/L	Include 3 250 MG/L
	Include 4 250 MG/L	Include 5 500 MG/L	Include 6 500 MG/L
	Include 7 1000 MG/L	Include 8 1000 MG/L	

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MALE MICE
FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/L

TOTAL 50	UNCENSORED DEATHS 12	CENSORED DEATHS 0	TERMINAL 38
UNCENSORED DEATHS			
328 526 555	563 595 617 621 630 644 674 674 682		
CENSORED DEATHS			
None			

DOSE = 250 MG/L

TOTAL 50	UNCENSORED DEATHS 15	CENSORED DEATHS 0	TERMINAL 35
UNCENSORED DEATHS			
486 555 574	576 602 609 610 617 640 659 661 674 694 703		
706			
CENSORED DEATHS			
None			

DOSE = 500 MG/L

TOTAL 50	UNCENSORED DEATHS 20	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATHS			
225 462 469	516 590 602 607 607 645 650 674 674 683 688		
691 692 699	699 711 722		
CENSORED DEATHS			
None			

DOSE = 1000 MG/L

TOTAL 50	UNCENSORED DEATHS 29	CENSORED DEATHS 0	TERMINAL 21
UNCENSORED DEATHS			
397 505 570	576 585 594 595 616 622 630 633 639 640 647		

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MALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

647 647 666 675 681 682 701 702 706 706 712 718 721 726
726

CENSORED DEATHS

None

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 MG/L	100.0	100.0	100.0	98.0	98.0	98.0	96.0	90.0	82.0	76.0
250 MG/L	100.0	100.0	100.0	100.0	100.0	100.0	98.0	90.0	78.0	70.0
500 MG/L	100.0	100.0	98.0	98.0	98.0	94.0	92.0	88.0	80.0	60.0
1000 MG/L	100.0	100.0	100.0	100.0	98.0	98.0	96.0	86.0	68.0	42.0

(A) FIRST TERMINAL SACRIFICE
 (B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".
 (C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE
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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	76.0%	70.0%	60.0%	42.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	P=0.677	P=0.175	P=0.003
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	592.4 (28.0)	624.4 (15.9)	615.3 (26.8)	643.6 (13.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	696.2 (10.6)	697.6 (8.3)	683.5 (13.2)	679.5 (9.8)

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FEMALE MICE
FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/L

TOTAL 50	UNCENSORED DEATHS 14	CENSORED DEATHS 0	TERMINAL 36
UNCENSORED DEATHS			
271 340 390	506 531 609 645 664	670 696 700 724 728 728	
CENSORED DEATHS			
None			

DOSE = 250 MG/L

TOTAL 50	UNCENSORED DEATHS 8	CENSORED DEATHS 0	TERMINAL 42
UNCENSORED DEATHS			
570 570 576	619 646 667 693 707		
CENSORED DEATHS			
None			

DOSE = 500 MG/L

TOTAL 50	UNCENSORED DEATHS 18	CENSORED DEATHS 0	TERMINAL 32
UNCENSORED DEATHS			
489 568 595	624 635 636 653 657	658 670 673 692 702 702	
715 716 724	725		
CENSORED DEATHS			
None			

DOSE = 1000 MG/L

TOTAL 50	UNCENSORED DEATHS 10	CENSORED DEATHS 0	TERMINAL 40
UNCENSORED DEATHS			
359 500 551	618 673 680 700 723	725 727	
CENSORED DEATHS			

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0 MG/L	100.0	100.0	100.0	96.0	94.0	94.0	90.0	90.0	84.0	72.0
250 MG/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	90.0	84.0
500 MG/L	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	82.0	64.0
1000 MG/L	100.0	100.0	100.0	98.0	98.0	98.0	96.0	94.0	92.0	80.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.0%	84.0%	64.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.727N	P=0.222N	P=0.550	P=0.444N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	585.9 (41.2)	631.0 (19.7)	657.4 (14.4)	625.6 (38.4)
MEAN LIFE SPAN (D) (STANDARD ERROR)	688.9 (14.5)	713.3 (5.9)	703.2 (7.1)	708.3 (9.4)

*** END OF REPORT ***

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