

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Reqsted: 07/11/2006
Time Report Reqsted: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

F1_M3

C Number: C96015
Lock Date: 04/30/2004
Cage Range: 1 - 9999
Date Range: 1-JAN-1940 to 17-SEP-2040
Reasons For Removal: ALL
Removal Date Range: JAN /1 /1940 - SEP /17 /2040
Treatment Groups: Include 1 0 MG/L
Include 4 50 MG/L
Include 7 200 MG/L

Include 2 0 MG/L

Include 5 100 MG/L

Include 8 200 MG/L

Include 3 50 MG/L

Include 6 100 MG/L

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Requested: 07/11/2006
Time Report Requested: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

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

DOSE = 0 MG/L

TOTAL 50	UNCENSORED DEATHS 10	CENSORED DEATHS 0	TERMINAL 40
UNCENSORED DEATHS			
21 445 605	607 624 647 654 675 699 715		
CENSORED DEATHS			
None			

DOSE = 50 MG/L

TOTAL 50	UNCENSORED DEATHS 10	CENSORED DEATHS 0	TERMINAL 40
UNCENSORED DEATHS			
437 633 639	647 672 679 686 704 716 726		
CENSORED DEATHS			
None			

DOSE = 100 MG/L

TOTAL 50	UNCENSORED DEATHS 15	CENSORED DEATHS 0	TERMINAL 35
UNCENSORED DEATHS			
252 575 575	590 597 601 602 614 651 672 683 711 712 721		
724			
CENSORED DEATHS			
None			

DOSE = 200 MG/L

TOTAL 50	UNCENSORED DEATHS 7	CENSORED DEATHS 1	TERMINAL 42
UNCENSORED DEATHS			
22 554 607	608 632 647 699		
CENSORED DEATHS			

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Reqsted: 07/11/2006
Time Report Reqsted: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

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

357

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Requested: 07/11/2006
Time Report Requested: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

MALE MICE
FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 MG/L	98.0	98.0	98.0	98.0	98.0	96.0	96.0	94.0	86.0	80.0
50 MG/L	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	92.0	80.0
100 MG/L	100.0	100.0	98.0	98.0	98.0	98.0	98.0	86.0	82.0	70.0
200 MG/L	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	87.8	85.8

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

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Requested: 07/11/2006
Time Report Requested: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

MALE MICE
FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	80.0%	80.0%	70.0%	85.8%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.671N	P=1.000N	P=0.349	P=0.630N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	569.2 (65.3)	653.9 (26.1)	618.7 (29.8)	538.4 (87.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	697.0 (15.5)	714.0 (6.6)	695.9 (11.3)	694.9 (16.4)

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

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Requested: 07/11/2006
Time Report Requested: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

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			
511 548 554	570 581 595 657 668	679 703 706 710 710	726
CENSORED DEATHS			
None			

DOSE = 50 MG/L

TOTAL 50	UNCENSORED DEATHS 11	CENSORED DEATHS 3	TERMINAL 36
UNCENSORED DEATHS			
339 426 427	456 590 611 646 660	660 703 727	
CENSORED DEATHS			
143 449 450			

DOSE = 100 MG/L

TOTAL 50	UNCENSORED DEATHS 4	CENSORED DEATHS 3	TERMINAL 43
UNCENSORED DEATHS			
151 542 700	724		
CENSORED DEATHS			
519 520 520			

DOSE = 200 MG/L

TOTAL 50	UNCENSORED DEATHS 3	CENSORED DEATHS 0	TERMINAL 47
UNCENSORED DEATHS			
659 686 696			
CENSORED DEATHS			

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Reqsted: 07/11/2006
Time Report Reqsted: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

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

None

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
 WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Reqsted: 07/11/2006
Time Report Reqsted: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

FEMALE MICE
 FIRST TERMINAL SACRIFICE AT 729 DAYS

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	100.0	100.0	100.0	98.0	88.0	86.0	72.0
50 MG/L	100.0	100.0	100.0	98.0	98.0	91.7	91.7	89.6	81.1	76.8
100 MG/L	100.0	98.0	98.0	98.0	98.0	98.0	95.9	95.9	95.9	91.6
200 MG/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0

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

TDMS No. 96015-06
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
 WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)
CAS Number: 3252-43-5

Date Report Requested: 07/11/2006
Time Report Requested: 7:50:23
First Dose M/F: 08/22/01 / 08/22/01
Lab: SRI

FEMALE MICE
 FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.0%	76.8%	91.6%	94.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.002N	P=0.825N	P=0.028N	P=0.007N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	637.0 (19.7)	567.7 (39.8)	529.3 (132.4)	680.3 (11.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	703.2 (8.0)	670.6 (17.9)	700.5 (13.7)	726.1 (1.7)

*** END OF REPORT ***

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