

Experiment Number: 20303-02
Test Type: 14-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 10/16/2014
Time Report Requested: 06:36:57
First Dose M/F: NA / NA
Lab: BNW

C Number:	C20303
Lock Date:	06/01/2005
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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First Dose M/F: NA / NA

Lab: BNW

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 25 PPM			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 50 PPM			
TOTAL 5	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 4
UNCENSORED DEATH DAYS			
5			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 100 PPM			
TOTAL 5	UNCENSORED DEATHS 5	CENSORED DEATHS 0	TERMINAL 0
UNCENSORED DEATH DAYS			
3	4	4	4
CENSORED DEATH DAYS			
none			

(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)

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Lab: BNW

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 200 PPM					
TOTAL	5	UNCENSORED DEATHS	5	CENSORED DEATHS 0	TERMINAL 0
UNCENSORED DEATH DAYS					
1	1	1	1	1	
CENSORED DEATH DAYS					
none					
<hr/>					
DOSE = 400 PPM					
TOTAL	5	UNCENSORED DEATHS	5	CENSORED DEATHS 0	TERMINAL 0
UNCENSORED DEATH DAYS					
1	1	1	1	1	
CENSORED DEATH DAYS					
none					

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First Dose M/F: NA / NA

Lab: BNW

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 PPM	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
100 PPM	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200 PPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400 PPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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First Dose M/F: NA / NA

Lab: BNW

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	25 PPM	50 PPM	100 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	80.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	P=1.000	P=0.017
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	5.0	3.8
	(.)	(.)	(.)	(0.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	18.0	18.0	15.4	3.8
	(0.0)	(0.0)	(2.6)	(0.2)

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

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First Dose M/F: NA / NA

Lab: BNW

**Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	200 PPM	400 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.016	P=0.016
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	1.0 (.)	1.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	1.0 (0.0)	1.0 (0.0)

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First Dose M/F: NA / NA

Lab: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 25 PPM			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 50 PPM			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 100 PPM			
TOTAL 5	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 4
UNCENSORED DEATH DAYS			
5			
CENSORED DEATH DAYS			
none			

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First Dose M/F: NA / NA

Lab: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 200 PPM

TOTAL 5

UNCENSORED DEATHS 5

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

1 1 1

1 1

CENSORED DEATH DAYS

none

DOSE = 400 PPM

TOTAL 5

UNCENSORED DEATHS 5

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

1 1 1

1 1

CENSORED DEATH DAYS

none

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First Dose M/F: NA / NA

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DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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50 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 PPM	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
200 PPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400 PPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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DOSE	CONTROL	25 PPM	50 PPM	100 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	5.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)	15.4 (2.6)

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MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	1.0 (.)	1.0 (.)
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