Experiment Number: 93025-05 Test Type: 90-DAY Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Tetralin CAS Number: 119-64-2 Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

| C Number: | C93025 |
|----------------------|------------|
| Lock Date: | 04/24/1997 |
| Cage Range: | All |
| Date Range: | All |
| Reasons For Removal: | All |
| Removal Date Range: | All |
| Treatment Groups: | All |
| Study Gender: | Both |
| PWG Approval Date | NONE |

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Male RAT FIRST TERMINAL SACRIFICE AT 93 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

| | INDI | IDUAL SURVIVAL TIMES (DAYS | 5) | |
|-----------------------|---------------------|----------------------------|-------------|--|
| DOSE = CONTROL | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 7.5 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 15 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 30 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| 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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Male RAT FIRST TERMINAL SACRIFICE AT 93 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

| DOSE = 60 PPM | | | | |
|-----------------------|---------------------|-------------------|-------------|--|
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 120 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |

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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Male RAT FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

| DOSE | | | | | TIME | (DAYS) | | | | |
|---------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 93(A) |
| CONTROL | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 7.5 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 15 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 60 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 120 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

(A) FIRST TERMINAL SACRIFICE

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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Male RAT **FIRST TERMINAL SACRIFICE AT 93 DAYS** SURVIVAL SUMMARY STATISTICS CONTROL 15 PPM DOSE 7.5 PPM 30 PPM SURVIVAL AT END OF STUDY 100.0% 100.0% 100.0% 100.0% (KAPLAN-MEIER) **SIGNIFICANCE (B)** --------------------(LIFE TABLE) MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR) (.) (.) (.) (.) 93.0 MEAN LIFE SPAN (D) 93.0 93.0 93.0 (STANDARD ERROR) (0.0) (0.0)(0.0) (0.0)

(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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Male RAT FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

| DOSE | 60 PPM | 120 PPM |
|--------------------------------|--------|---------|
| SURVIVAL AT END OF STUDY | 100.0% | 100.0% |
| (KAPLAN-MEIER) | | |
| SIGNIFICANCE (B) | | |
| (LIFE TABLE) | | |
| MEAN DAY OF NATURAL DEATHS (C) | | |
| (STANDARD ERROR) | (.) | (.) |
| MEAN LIFE SPAN (D) | 93.0 | 93.0 |
| (STANDARD ERROR) | (0.0) | (0.0) |
| | | |

(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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Female RAT FIRST TERMINAL SACRIFICE AT 93 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

| | IND | IVIDUAL SURVIVAL TIMES (DAT | 5) | |
|-----------------------|---------------------|-----------------------------|-------------|--|
| DOSE = CONTROL | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 7.5 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 15 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 30 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| 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

Test Compound: Tetralin

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

CAS Number: 119-64-2

| | - | Female RAT TERMINAL SACRIFICE AT 93 DA IVIDUAL SURVIVAL TIMES (DAYS | - | |
|-----------------------|---------------------|---|-------------|--|
| DOSE = 60 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |
| DOSE = 120 PPM | | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 10 | |
| UNCENSORED DEATH DAYS | | | | |
| none | | | | |
| CENSORED DEATH DAYS | | | | |
| none | | | | |

(A) FIRST TERMINAL SACRIFICE

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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Female RAT FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

| DOSE | | | | | TIME | (DAYS) | | | | |
|---------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 93(A) |
| CONTROL | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 7.5 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 15 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 60 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 120 PPM | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

(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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Female RAT FIRST TERMINAL SACRIFICE AT 93 DAYS SURVIVAL SUMMARY STATISTICS CONTROL 15 PPM DOSE 7.5 PPM 30 PPM SURVIVAL AT END OF STUDY 100.0% 100.0% 100.0% 100.0% (KAPLAN-MEIER) **SIGNIFICANCE (B)** --------------------(LIFE TABLE) MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR) (.) (.) (.) (.) 93.0 MEAN LIFE SPAN (D) 93.0 93.0 93.0 (STANDARD ERROR) (0.0) (0.0)(0.0) (0.0)

(A) FIRST TERMINAL SACRIFICE

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

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

Female RAT FIRST TERMINAL SACRIFICE AT 93 DAYS

| DOSE | 60 PPM | 120 PPM |
|--------------------------------|--------|---------|
| SURVIVAL AT END OF STUDY | 100.0% | 100.0% |
| (KAPLAN-MEIER) | | |
| SIGNIFICANCE (B) | | |
| (LIFE TABLE) | | |
| MEAN DAY OF NATURAL DEATHS (C) | | |
| (STANDARD ERROR) | (.) | (.) |
| MEAN LIFE SPAN (D) | 93.0 | 93.0 |
| (STANDARD ERROR) | (0.0) | (0.0) |
| | | |

(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

Experiment Number: 93025-05 Test Type: 90-DAY Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Tetralin CAS Number: 119-64-2

** END OF REPORT **

Date Report Requested: 10/16/2014 Time Report Requested: 05:13:07 First Dose M/F: NA / NA Lab: BNW

(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