

Experiment Number: 20011-03
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane
CAS Number: 106-94-5

Date Report Requested: 10/19/2014
Time Report Requested: 17:01:40
First Dose M/F: NA / NA
Lab: BNW

| | |
|-----------------------------|------------|
| C Number: | C20011 |
| Lock Date: | 06/13/2003 |
| 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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Species/Strain: Rat/F 344/N

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF 1-BROMOPROPANE

MALE RAT

Organ

Epididymis

Kidney

Kidney: Renal Tubule

Liver

Lung: Alveolus

Nose

Prostate

Spleen: Capsule

Testes: Seminif Tub

FEMALE RAT

Organ

Liver

Liver: Hepatocyte

Morphology

Exfoliated Germ Cell

Hypospermia

Inflammation Chronic

Dilatation

Vacuolization Cytoplasmic

Infiltration Cellular Histiocyte

Inflammation

Inflammation

Fibrosis

Degeneration

Morphology

Hepatodiaphragmatic Nodule

Vacuolization Cytoplasmic

Degeneration

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Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|-----------------------------|-----------|----------|------------|----------|------------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Epididymis | | | | | | |
| Exfoliated Germ Cell | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 9/10 (90%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 1/1.00 | 0/0.00 | 1/1.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 100% | 0% | 100% | 90% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 9/10 (90%) |
| FIRST INCIDENCE | --- | --- | 93(T) | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | P=0.091 | (e) | P=0.091 | P=0.000** |
| POLY 1.5 | (e) | (e) | P=0.091 | (e) | P=0.091 | P=0.000** |
| POLY 6 | (e) | (e) | P=0.091 | (e) | P=0.091 | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | (e) | P=0.091 | (e) | P=0.091 | P=0.000** |
| MAX-ISO-POLY-3 | (e) | (e) | P=0.000** | (e) | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|----------|----------|----------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Epididymis | | | | | | |
| Hypospermia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/1.00 | 0/0.00 | 1/1.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| COCH-ARM / FISHERS | P=0.689 | (e) | (e) | (e) | P=0.091 | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | P=0.000** | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|-----------------------------|-----------|----------|----------|----------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Kidney | | | | | | |
| Inflammation Chronic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 1/1.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| COCH-ARM / FISHERS | P=0.700 | (e) | (e) | (e) | P=0.091 | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | P=0.000** | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|------------|----------|----------|----------|----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Kidney | | | | | | |
| Nephropathy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/1 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/1.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/1 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | P=0.786N | P=0.227N |
| POLY 1.5 | (e) | (e) | (e) | (e) | P=0.786N | P=0.227N |
| POLY 6 | (e) | (e) | (e) | (e) | P=0.786N | P=0.227N |
| COCH-ARM / FISHERS | P=0.127N | (e) | (e) | (e) | P=0.818N | P=0.237N |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | P=0.369N | P=0.067N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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Test Type: 90-DAY

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Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

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Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--|-----------|----------|----------|----------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Kidney: Renal Tubule Dilatation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 1/1.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | P=0.091 | (e) |
| COCH-ARM / FISHERS | P=0.700 | (e) | (e) | (e) | P=0.091 | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | P=0.000** | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Larynx | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

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Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

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First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|-----------------------------------|------------|------------|------------|------------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Liver | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 1/10 (10%) | 1/10 (10%) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 1/10.00 | 1/10.00 | 1/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 10% | 10% | 10% | 10% | 0% |
| TERMINAL (d) | 2/10 (20%) | 1/10 (10%) | 1/10 (10%) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.182N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.227N |
| POLY 1.5 | P=0.182N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.227N |
| POLY 6 | P=0.182N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.227N |
| COCH-ARM / FISHERS | P=0.173N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.135N | P=0.274N | P=0.274N | P=0.274N | P=0.274N | P=0.067N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

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Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|----------------------------------|-----------|-----------|-----------|------------|--------------|--------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Liver | | | | | | |
| Vacuolization Cytoplasmic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 5/10 (50%) | 10/10 (100%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 5/10.00 | 10/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 50% | 100% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 5/10 (50%) | 10/10 (100%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | (e) | (e) | P=0.008** | P=NA | P=NA |
| POLY 1.5 | P=0.000** | (e) | (e) | P=0.008** | P=NA | P=NA |
| POLY 6 | P=0.000** | (e) | (e) | P=0.008** | P=NA | P=NA |
| COCH-ARM / FISHERS | P=0.000** | (e) | (e) | P=0.016* | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | (e) | (e) | P<0.001** | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

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Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Liver: Hepatocyte Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|------------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lung | | | | | | |
| Hemorrhage | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 2/10 (20%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 2/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 20% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 2/10 (20%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93(T) | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.478 | (e) | (e) | P=0.500 | P=0.227 | (e) |
| POLY 1.5 | P=0.478 | (e) | (e) | P=0.500 | P=0.227 | (e) |
| POLY 6 | P=0.478 | (e) | (e) | P=0.500 | P=0.227 | (e) |
| COCH-ARM / FISHERS | P=0.478 | (e) | (e) | P=0.500 | P=0.237 | (e) |
| MAX-ISO-POLY-3 | P=0.274 | (e) | (e) | P=0.159 | P=0.067 | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|-----------|-----------|-----------|-----------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lung: Alveolar Epith Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.584 | (e) | (e) | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.584 | (e) | (e) | (e) | P=0.500 | (e) |
| POLY 6 | P=0.584 | (e) | (e) | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.585 | (e) | (e) | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.356 | (e) | (e) | (e) | P=0.159 | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---|------------|------------|------------|------------|------------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lung: Alveolus | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 5/10 (50%) | 2/10 (20%) | 5/10 (50%) | 2/10 (20%) | 4/10 (40%) | 9/10 (90%) |
| POLY-3 RATE (b) | 5/10.00 | 2/10.00 | 5/10.00 | 2/10.00 | 4/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 50% | 20% | 50% | 20% | 40% | 90% |
| TERMINAL (d) | 5/10 (50%) | 2/10 (20%) | 5/10 (50%) | 2/10 (20%) | 4/10 (40%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.004** | P=0.174N | P=0.664 | P=0.174N | P=0.500N | P=0.061 |
| POLY 1.5 | P=0.004** | P=0.174N | P=0.664 | P=0.174N | P=0.500N | P=0.061 |
| POLY 6 | P=0.004** | P=0.174N | P=0.664 | P=0.174N | P=0.500N | P=0.061 |
| COCH-ARM / FISHERS | P=0.007** | P=0.175N | P=0.672N | P=0.175N | P=0.500N | P=0.070 |
| MAX-ISO-POLY-3 | P=0.006** | P=0.080N | P=1.000 | P=0.080N | P=0.334N | P=0.020* |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|-------------------------------|----------|----------|----------|----------|------------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lymph Node: Pancreatic | | | | | | |
| Hyperplasia Lymphoid | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 1/1.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--|----------|----------|----------|----------|------------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lymph Node: Pancreatic Pigmentation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 1/1.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|----------|----------|----------|----------|----------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Mesentery | | | | | | |
| Necrosis Fatty | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Nose | | | | | | |
| Foreign Body | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.107 | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.107 | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 6 | P=0.107 | (e) | (e) | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.105 | (e) | (e) | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.075 | (e) | (e) | (e) | (e) | P=0.159 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Nose | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 20% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.008** | (e) | (e) | (e) | (e) | P=0.227 |
| POLY 1.5 | P=0.008** | (e) | (e) | (e) | (e) | P=0.227 |
| POLY 6 | P=0.008** | (e) | (e) | (e) | (e) | P=0.227 |
| COCH-ARM / FISHERS | P=0.010** | (e) | (e) | (e) | (e) | P=0.237 |
| MAX-ISO-POLY-3 | P=0.008** | (e) | (e) | (e) | (e) | P=0.067 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---|------------|------------|------------|------------|------------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Nose: Olfactory Epi Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 4/10 (40%) | 4/10 (40%) | 4/10 (40%) | 2/10 (20%) | 5/10 (50%) | 1/10 (10%) |
| POLY-3 RATE (b) | 4/10.00 | 4/10.00 | 4/10.00 | 2/10.00 | 5/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 40% | 40% | 40% | 20% | 50% | 10% |
| TERMINAL (d) | 4/10 (40%) | 4/10 (40%) | 4/10 (40%) | 2/10 (20%) | 5/10 (50%) | 1/10 (10%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.124N | P=0.667 | P=0.667 | P=0.318N | P=0.500 | P=0.148N |
| POLY 1.5 | P=0.124N | P=0.667 | P=0.667 | P=0.318N | P=0.500 | P=0.148N |
| POLY 6 | P=0.124N | P=0.667 | P=0.667 | P=0.318N | P=0.500 | P=0.148N |
| COCH-ARM / FISHERS | P=0.122N | P=0.675N | P=0.675N | P=0.314N | P=0.500 | P=0.152N |
| MAX-ISO-POLY-3 | P=0.143N | P=1.000 | P=1.000 | P=0.172N | P=0.334 | P=0.059N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|-------------------------------------|-----------|----------|----------|----------|----------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Preputial Gland Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.304 | (e) | (e) | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | P=0.159 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|------------------------------|------------|-----------|-----------|------------|------------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Prostate Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 5/10 (50%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 1/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 10% | 10% | 50% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 5/10 (50%) |
| FIRST INCIDENCE | 93(T) | --- | --- | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.500N | P=0.500N | P=0.760 | P=0.760 | P=0.061 |
| POLY 1.5 | P=0.000** | P=0.500N | P=0.500N | P=0.760 | P=0.760 | P=0.061 |
| POLY 6 | P=0.000** | P=0.500N | P=0.500N | P=0.760 | P=0.760 | P=0.061 |
| COCH-ARM / FISHERS | P<0.001** | P=0.500N | P=0.500N | P=0.763N | P=0.763N | P=0.070 |
| MAX-ISO-POLY-3 | P=0.000** | P=0.159N | P=0.159N | P=1.000 | P=1.000 | P=0.020* |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|----------|------------|----------|----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Spleen: Capsule | | | | | | |
| Fibrosis | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 1/1.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 100% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | 93(T) | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | P=0.091 | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | P=0.091 | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | P=0.091 | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.412N | (e) | P=0.091 | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | P=0.000** | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|----------------------------|-----------|----------|------------|----------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Testes: Seminif Tub | | | | | | |
| Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 1/1.00 | 0/0.00 | 1/1.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 100% | 0% | 100% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | 93(T) | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | P=0.091 | (e) | P=0.091 | (e) |
| POLY 1.5 | (e) | (e) | P=0.091 | (e) | P=0.091 | (e) |
| POLY 6 | (e) | (e) | P=0.091 | (e) | P=0.091 | (e) |
| COCH-ARM / FISHERS | P=0.445N | (e) | P=0.091 | (e) | P=0.091 | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | P=0.000** | (e) | P=0.000** | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|-----------------------------|-----------|----------|----------|----------|----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Kidney | | | | | | |
| Inflammation Chronic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|----------|----------|----------|----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Kidney | | | | | | |
| Nephropathy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--|-----------|----------|----------|----------|----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Kidney: Renal Tubule Dilatation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Larynx | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 0/10.00 | 2/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 0% | 20% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) | --- | 93(T) | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.488 | P=0.500 | (e) | P=0.227 | (e) | P=0.500 |
| POLY 1.5 | P=0.488 | P=0.500 | (e) | P=0.227 | (e) | P=0.500 |
| POLY 6 | P=0.488 | P=0.500 | (e) | P=0.227 | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.487 | P=0.500 | (e) | P=0.237 | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.343 | P=0.159 | (e) | P=0.067 | (e) | P=0.159 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|-----------------------------------|------------|------------|------------|------------|------------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Liver | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 4/10 (40%) | 1/10 (10%) | 0/10 (0%) | 3/10 (30%) | 0/10 (0%) | 3/10 (30%) |
| POLY-3 RATE (b) | 4/10.00 | 1/10.00 | 0/10.00 | 3/10.00 | 0/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 40% | 10% | 0% | 30% | 0% | 30% |
| TERMINAL (d) | 4/10 (40%) | 1/10 (10%) | 0/10 (0%) | 3/10 (30%) | 0/10 (0%) | 3/10 (30%) |
| FIRST INCIDENCE | 93(T) | 93(T) | --- | 93(T) | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.496 | P=0.148N | P=0.033N* | P=0.500N | P=0.033N* | P=0.500N |
| POLY 1.5 | P=0.496 | P=0.148N | P=0.033N* | P=0.500N | P=0.033N* | P=0.500N |
| POLY 6 | P=0.496 | P=0.148N | P=0.033N* | P=0.500N | P=0.033N* | P=0.500N |
| COCH-ARM / FISHERS | P=0.496 | P=0.152N | P=0.043N* | P=0.500N | P=0.043N* | P=0.500N |
| MAX-ISO-POLY-3 | P=0.107N | P=0.059N | P=0.007N** | P=0.327N | P=0.007N** | P=0.327N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|----------------------------------|-----------|-----------|-----------|-----------|--------------|--------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Liver | | | | | | |
| Vacuolization Cytoplasmic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 10/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | (e) | (e) | (e) | P=NA | P=NA |
| POLY 1.5 | P=0.000** | (e) | (e) | (e) | P=NA | P=NA |
| POLY 6 | P=0.000** | (e) | (e) | (e) | P=NA | P=NA |
| COCH-ARM / FISHERS | P=0.000** | (e) | (e) | (e) | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Liver: Hepatocyte Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 7/10 (70%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 70% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 7/10 (70%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | (e) | (e) | (e) | (e) | P=0.000** |
| POLY 1.5 | P=0.000** | (e) | (e) | (e) | (e) | P=0.000** |
| POLY 6 | P=0.000** | (e) | (e) | (e) | (e) | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | (e) | (e) | (e) | (e) | P=0.002** |
| MAX-ISO-POLY-3 | P=0.000** | (e) | (e) | (e) | (e) | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lung | | | | | | |
| Hemorrhage | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lung: Alveolar Epith Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|------------|------------|------------|------------|------------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lung: Alveolus | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 3/10 (30%) | 4/10 (40%) | 4/10 (40%) | 5/10 (50%) | 5/10 (50%) |
| POLY-3 RATE (b) | 2/10.00 | 3/10.00 | 4/10.00 | 4/10.00 | 5/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 20% | 30% | 40% | 40% | 50% | 50% |
| TERMINAL (d) | 2/10 (20%) | 3/10 (30%) | 4/10 (40%) | 4/10 (40%) | 5/10 (50%) | 5/10 (50%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.128 | P=0.500 | P=0.318 | P=0.318 | P=0.174 | P=0.174 |
| POLY 1.5 | P=0.128 | P=0.500 | P=0.318 | P=0.318 | P=0.174 | P=0.174 |
| POLY 6 | P=0.128 | P=0.500 | P=0.318 | P=0.318 | P=0.174 | P=0.174 |
| COCH-ARM / FISHERS | P=0.121 | P=0.500 | P=0.314 | P=0.314 | P=0.175 | P=0.175 |
| MAX-ISO-POLY-3 | P=0.163 | P=0.311 | P=0.172 | P=0.172 | P=0.080 | P=0.080 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|-------------------------------|----------|----------|----------|----------|----------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lymph Node: Pancreatic | | | | | | |
| Hyperplasia Lymphoid | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--|----------|----------|----------|----------|----------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Lymph Node: Pancreatic Pigmentation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|------------|----------|----------|----------|----------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Mesentery | | | | | | |
| Necrosis Fatty | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/1.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 100% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Nose | | | | | | |
| Foreign Body | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Nose | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|------------|------------|------------|------------|------------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Nose: Olfactory Epi Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 6/10 (60%) | 7/10 (70%) | 8/10 (80%) | 9/10 (90%) | 8/10 (80%) | 5/9 (56%) |
| POLY-3 RATE (b) | 6/10.00 | 7/10.00 | 8/10.00 | 9/10.00 | 8/10.00 | 5/9.00 |
| POLY-3 PERCENT (g) | 60% | 70% | 80% | 90% | 80% | 55.6% |
| TERMINAL (d) | 6/10 (60%) | 7/10 (70%) | 8/10 (80%) | 9/10 (90%) | 8/10 (80%) | 5/9 (56%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.348N | P=0.500 | P=0.318 | P=0.148 | P=0.318 | P=0.601N |
| POLY 1.5 | P=0.348N | P=0.500 | P=0.318 | P=0.148 | P=0.318 | P=0.601N |
| POLY 6 | P=0.348N | P=0.500 | P=0.318 | P=0.148 | P=0.318 | P=0.601N |
| COCH-ARM / FISHERS | P=0.345N | P=0.500 | P=0.314 | P=0.152 | P=0.314 | P=0.605N |
| MAX-ISO-POLY-3 | P=0.309N | P=0.327 | P=0.172 | P=0.059 | P=0.172 | P=0.428N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|------------|----------|----------|----------|-----------|------------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Ovary | | | | | | |
| Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 3/10 (30%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 30% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 3/10 (30%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | P=0.500N | P=0.292 |
| POLY 1.5 | (e) | (e) | (e) | (e) | P=0.500N | P=0.292 |
| POLY 6 | (e) | (e) | (e) | (e) | P=0.500N | P=0.292 |
| COCH-ARM / FISHERS | P=0.162 | (e) | (e) | (e) | P=0.500N | P=0.291 |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | P=0.159N | P=0.138 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTEs | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTEs | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|----------|----------|----------|----------|-----------|
| | CONTROL | 62.5 PPM | 125 PPM | 250 PPM | 500 PPM | 1000 PPM |
| Spleen: Capsule | | | | | | |
| Fibrosis | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 20011-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 10/19/2014

Time Report Requested: 17:01:40

First Dose M/F: NA / NA

Lab: BNW

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

**** END OF REPORT ****