Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

C Number: C20303

Lock Date: 06/01/2005

Cage Range: ΑII

Date Range: ΑII

Reasons For Removal: ΑII

Removal Date Range: ΑII

Treatment Groups: ΑII

Study Gender: Both

PWG Approval Date NONE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09

First Dose M/F: NA / NA

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Route: RESPIRATORY EXPOSURE WHOLE BODY

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

F 344/N Rat Male CONTROL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
|-------------|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | ' |

*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09 First Dose M/F: NA / NA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

DAY ON TEST 0 0 0 0 0 0 F 344/N Rat Male *1 7 1 7 1 7 1 7* **CONTROL** 0 0 0 0 0 0 0 2 ANIMAL ID 0 0 0 5 Õ 0 0 1 0 0 0 3 Ō *TOTALS **Respiratory System** Lung 5 5 Nose **Special Senses System** 5 Eye **Urinary System** Kidney 5 **SYSTEMIC LESIONS** Multiple Organ 5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Route: RESPIRATORY EXPOSURE WHOLE BODY

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

| | DAY ON T |
|------------------|----------|
| F 344/N Rat Male | |
| 25 PPM | |
| | ANIMA |

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------|-------|-------|-------|-------------|
| ANUMALID | 7 | 0 | 7 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | U | 0 | 0 | 0 | 0 |
| | 2 | 0 2 | 2 | 2 | 0 2 0 |
| | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

5

Alimentary System

Liver + + + + + + + Pancreas +

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

* ..Total animals with tissue examined microscopically; Total animals with tumor

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09 First Dose M/F: NA / NA

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: 75-35-4

Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Test Compound: Vinylidene chloride

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Species/Strain: Rat/F 344/N

F 344/N Rat Male **25 PPM**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|---------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 0 | 7 | 7 | 7 |
| V VIIIVAVI ID | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

5

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Experiment Number: 20303-01 P04: NEOPLASMS BY INDIVIDUAL ANIMAL **Test Compound:** Vinylidene chloride Test Type: 14-DAY **CAS Number:** 75-35-4 Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Rat/F 344/N DAY ON TEST 0 0 0 0 0 0 F 344/N Rat Male *1 7 1 7 1 7 1 7* **50 PPM** 0 0 0 0 0 ANIMAL ID Õ 0 0 4 0 5 4 4 0 1 4 4 0 0 3 0 *TOTALS **Alimentary System** Liver Cardiovascular System NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System** Lymph Node, Mediastinal **Integumentary System** NONE

Musculoskeletal System

X .. Lesion present

NONE **Nervous System**

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

BLANK .. Not examined microscopically

5

1

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Lab: BNW

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09

F 344/N Rat Male 50 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: 75-35-4

Test Type: 14-DAY

Test Compound: Vinylidene chloride

Route: RESPIRATORY EXPOSURE WHOLE BODY

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

Lab: BNW

Species/Strain: Rat/F 344/N

| F 344/N | Rat | Male |
|---------|-----|------|
| 100 PPN | / | |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
|-------------|---|---|---|---|---|--|
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 6 | 6 | 6 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | |

*TOTALS

Alimentary System

5 Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X ..Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY **Test Compound:** Vinylidene chloride **CAS Number:** 75-35-4

Time Report Requested: 13:40:09 First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Lab: BNW

Species/Strain: Rat/F 344/N

DAY ON TEST 0 0 0 0 0 0 F 344/N Rat Male *1 7 1 7 1 7 1 7* 100 PPM 0 0 0 0 0 6 0 2 ANIMAL ID 0 6 0 5 Õ 6 0 1 6 6 0 3 Ō *TOTALS **Respiratory System** Lung 5 5 Nose **Special Senses System** 5 Eye **Urinary System** Kidney 5 **SYSTEMIC LESIONS** Multiple Organ 5

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

DAY ON TEST 0 0 0 0 F 344/N Rat Male 0 0 2 2 **200 PPM** 0 0 0 0 8 0 2 ANIMAL ID 0 8 0 1 8

*TOTALS

5

0 0

0 0

0 0

2 | 2

0 0

0

8

0 0 3 4

Ō

8 0 5

| | Aliı | men | tarv | ٠S٧ | stem |
|--|------|-----|------|-----|------|
|--|------|-----|------|-----|------|

Liver + + + + +

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Testes + 1

Hematopoietic System

Lymph Node + 1

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

| F 344/N Rat Male 200 PPM | DAY ON TEST ANIMAL ID | 0 0 0 2 0 0 0 8 0 | 0 0 0 2 0 0 0 8 0 2 | 0 0 0 2 0 0 0 8 0 3 | 0 0 0 2 0 0 0 8 0 4 | 0 0 0 2 0 0 0 8 0 5 | *TOTALS |
|-----------------------------|------------------------|-------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|---------|
| Respiratory System | | | | | | | |
| Lung | | + | + | + | + | + | 5 |
| Nose | | + | + | + | + | + | 5 |
| Special Senses System | | | | | | | |
| Eye | | + | + | + | + | + | 5 |
| Urinary System | | | | | | | |
| Kidney | | + | + | + | + | + | 5 |
| Urinary Bladder | | + | | | | | 1 |
| SYSTEMIC LESIONS | | | | | | | |
| Multiple Organ | | + | + | + | + | + | 5 |

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

CAS Number: 75-35-4

Route: RESPIRATORY EXPOSURE WHOLE BODY

F 344/N Rat Male

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|-----|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 2 | 2 | 1 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 2 | 2 | 1 | 5 |

*TOTALS

1

| Α | lim | enta | rv | Sy | stem |
|---|-----|------|----|----|------|
| | | | | | |

Liver + + + + + 5

Cardiovascular System

NONE

400PPM

Endocrine System

NONE

General Body System

NONE

Genital System

Testes +

Hematopoietic System

Lymph Node, Mesenteric + 1
Thymus + + + 3

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 12

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Male 400PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|---------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 1 | 2 | 2 |
| V VIIIVAVI ID | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

| NONE | | | | | | |
|-----------------------|---|---|---|---|---|------|
| Respiratory System | | | | | | |
| Lung | + | + | + | + | + | 5 |
| Nose | + | + | + | + | + | 5 |
| Special Senses System | | | | | | |
| Eye | + | + | + | + | + | 5 |
| Urinary System | | | | | | |
| Kidney | + | + | + | + | + | 5 |
| SYSTEMIC LESIONS | | | | | | |
| Multiple Organ | + | + | + | + | + | 5 |
| | | | | | | |

^{***}END OF MALE DATA***

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Female **CONTROL**

| DAY ON TEST | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | |
|-------------|------------------|-----------------------|-----------------------|-----------------------|------------------|--|
| ANIMAL ID | 0 0 1 0 | 0 0 1 0 2 | 0 0 1 0 3 | 0 0 1 0 4 | 0 0 1 0 5 | |

*TOTALS

Alimentary System

5 Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09

First Dose M/F: NA / NA Lab: BNW

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

| F 344/N | Rat | Female |
|---------|-----|--------|
| CONTR | OL | |
| | | |

| F 344/N Rat Female CONTROL | DAY ON TEST ANIMAL ID | 0 0 1 7 0 0 1 0 | 0 0 1 7 0 0 1 0 1 | 0 0 1 7 0 0 1 0 1 0 3 | 0 0 1 7 0 0 1 0 4 | 0 0 1 7 0 0 1 0 5 | *TOTALS |
|---------------------------------------|------------------------|--------------------------------------|-------------------------------------------|-----------------------------------------------------|-------------------------------------------|-------------------------------------------|---------|
| Respiratory System | | 1 | | 3 | 4 | | TOTALO |
| Lung Nose Special Senses System | | + | + | + | + | + | 5 5 |
| Eye Urinary System | | + | + | + | + | + | 5 |
| Kidney SYSTEMIC LESIONS | | + | + | + | + | + | 5 |
| Multiple Organ | | + | + | + | + | + | 5 |

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

F 344/N Rat Female **25 PPM**

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------------|-------------|-------------|-------------|-------------|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| AMINAL ID | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

5 Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09 First Dose M/F: NA / NA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Vinylidene chloride

Route: RESPIRATORY EXPOSURE WHOLE BODY

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

CAS Number: 75-35-4

Lab: BNW

Species/Strain: Rat/F 344/N

F 344/N Rat Female 25 PPM

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------|-------------|-------|-------|-------|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| AMINALID | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Compound: Vinylidene chloride Test Type: 14-DAY **CAS Number:** 75-35-4 Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Rat/F 344/N DAY ON TEST 0 0 0 0 0 0 F 344/N Rat Female *1 7 1 7 1 7 1 7* **50 PPM** 0 0 0 0 0 5 0 1 0 0 5 0 2 ANIMAL ID 0 0 5 0 5 5 5 0 Ō *TOTALS **Alimentary System** Liver Cardiovascular System NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE **Hematopoietic System** Lymph Node, Mesenteric **Integumentary System**

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

Experiment Number: 20303-01

X .. Lesion present

NONE

NONE **Nervous System**

NONE

Musculoskeletal System

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

5

1

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Experiment Number: 20303-01

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Species/Strain: Rat/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

D

F 344/N Rat Female 50 PPM

| AY ON TEST | 0 | 0 | 0 | 0 | 0 |
|------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

5

Respiratory System

Lung + 1

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + +

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

Route: RESPIRATORY EXPOSURE WHOLE BODY

D

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY **Test Compound:** Vinylidene chloride

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

F 344/N Rat Female 100 PPM

| AY ON TEST | 0 | 0 | 0 | 0 | 0 |
|------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

5 Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09 First Dose M/F: NA / NA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Vinylidene chloride

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

| F 344/N Rat Female 100 PPM | DAY ON TEST | 0 0 1 7 0 0 7 0 | 0 0 1 7 0 0 7 0 | 0 0 1 7 0 0 7 0 | 0 0 1 7 0 0 7 | 0 0 1 7 0 0 7 0 | |
|-------------------------------|-------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|---------|
| | | 1 | 2 | 3 | 4 | 5 | *TOTALS |
| Respiratory System | | | | | | | |
| Lung | | + | + | + | + | + | 5 |
| Nose | | + | + | + | + | + | 5 |
| Special Senses System | | | | | | | |
| Eye | | + | + | + | + | + | 5 |
| Urinary System | | | | | | | |
| Kidney SYSTEMIC LESIONS | | + | + | + | + | + | 5 |
| Multiple Organ | | + | + | + | + | + | 5 |

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Female 200 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| ANUMANI | 2 | 2 | 2 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

5

| Alimentar | y System |
|-----------|----------|
|-----------|----------|

| Intestine Small, Duodenum | | | | | + | • |
|---------------------------|---|---|---|---|---|---|
| Intestine Small, Ileum | | | | | + | • |
| Intestine Small, Jejunum | | | | | + | |
| Liver | + | + | + | + | + | ; |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Thymus + + +

Integumentary System

NONE

Musculoskeletal System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Test Compound: Vinylidene chloride

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

CAS Number: 75-35-4

Species/Strain: Rat/F 344/N

| F 344/N | Rat | Female |
|---------|-----|--------|
| 200 PPN | 1 | |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 2 | 2 | 2 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

NONE

Nervous System

NONE

Respiratory System

| Respiratory dysterii | | | | | | |
|-----------------------|---|---|---|---|---|---|
| Lung | + | + | + | + | + | 5 |
| Nose | + | + | + | + | + | 5 |
| Special Senses System | | | | | | |
| Eye | + | + | + | + | + | 5 |
| Urinary System | | | | | | |
| Kidney | + | + | + | + | + | 5 |
| SYSTEMIC LESIONS | | | | | | |
| Multiple Organ | + | + | + | + | + | 5 |

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 10/22/2014

Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Female

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 2 2 2 0 0 0 0 0 ANIMAL ID 1 1 0 5 1 1 0 1 0 2 0 3 0

*TOTALS

Alimentary System

400 PPM

| Intestine Large, Cecum | | + | + | | | 2 |
|---------------------------|---|---|---|---|---|---|
| Intestine Large, Colon | | | + | | | 1 |
| Intestine Large, Rectum | | | + | | | 1 |
| Intestine Small, Duodenum | | | + | | | 1 |
| Intestine Small, Ileum | | | + | | | 1 |
| Intestine Small, Jejunum | | | + | | | 1 |
| Liver | + | + | + | + | + | 5 |
| Stomach, Forestomach | | + | + | | | 2 |
| Stomach, Glandular | | | + | | | 1 |
| Stomach, Glandular | | | + | | | 1 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 20303-01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 10/22/2014 Time Report Requested: 13:40:09

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat Female 400 PPM | DAY ON TEST ANIMAL ID | 0 0 0 2 0 1 1 0 1 | 0 0 0 4 0 1 1 0 2 | 0 0 0 2 0 1 1 0 3 | 0 0 0 2 0 1 1 0 4 | 0 0 0 2 0 1 1 0 5 | *TOTALS_ |
|-------------------------------|------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------|
| Thymus | | + | | + | | + | 3 |
| Integumentary System | | | | | | | |
| NONE | | | | | | | |
| Musculoskeletal System | | | | | | | |
| NONE | | | | | | | |
| Nervous System | | | | | | | |
| Brain | | | + | | | | 1 |
| Respiratory System | | | | | | | |
| Lung | | + | + | + | + | + | 5 |
| Nose | | + | + | + | + | + | 5 |
| Special Senses System | | | | | | | |
| Eye | | + | + | + | + | + | 5 |
| Urinary System | | | | | | | |
| Kidney | | + | + | + | + | + | 5 |
| SYSTEMIC LESIONS | | | | | | | |
| Multiple Organ | | + | + | + | + | + | 5 |
| | | | | | | | ** END OF REPORT ** |

Species/Strain: Rat/F 344/N

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue